

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010919\
 Data File : BG039030.D
 Acq On : 9 Jan 2019 21:07
 Operator : JU/SJ
 Sample : K1082-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 10 04:21:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 14:23:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	23520	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	97205	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	68678	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	195318	20.00	ng	0.00
76) Chrysene-d12	21.70	240	227325	20.00	ng	0.00
87) Perylene-d12	24.98	264	241738	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	62510	50.42	ng	0.00
7) Phenol-d6	7.19	99	86952	48.73	ng	0.00
23) Nitrobenzene-d5	9.21	82	51826	29.17	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	51819	45.01	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	147857	29.46	ng	0.00
79) Terphenyl-d14	20.02	244	348711	28.38	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.14	88	60	0.124	ng	# 1
4) n-Nitrosodimethylamine	4.05	42	59	0.099	ng	# 1
9) Benzaldehyde	7.19	77	60	0.058	ng	# 1
10) Phenol	7.21	94	1326	0.741	ng	# 41
15) Benzyl Alcohol	8.35	79	766	0.570	ng	# 20
19) n-Nitroso-di-n-propylamine	9.21	70	6751	5.762	ng	# 61
24) Nitrobenzene	9.21	77	76	0.042	ng	# 38
46) 1,1'-Biphenyl	13.51	154	55	0.010	ng	# 41
48) 2-Nitroaniline	14.12	65	259	0.210	ng	# 1
50) Dimethylphthalate	14.12	163	40625	7.000	ng	# 98
51) 2,6-Dinitrotoluene	14.12	165	422	0.325	ng	# 36
52) Acenaphthene	14.75	154	53	0.013	ng	# 6
55) Dibenzofuran	15.09	168	56	0.008	ng	# 45
57) 2,4-Dinitrotoluene	14.67	165	8859	4.759	ng	# 26
58) Fluorene	15.73	166	180	0.034	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.16	198	60	0.041	ng	# 93
66) n-Nitrosodiphenylamine	16.16	169	1420	0.245	ng	# 54
67) 4-Bromophenyl-phenylether	16.16	248	3464	1.380	ng	# 1
71) Phenanthrene	17.46	178	995	0.096	ng	# 66
72) Anthracene	17.56	178	368	0.036	ng	# 60
73) Carbazole	17.84	167	59	0.006	ng	# 60
75) Fluoranthene	19.48	202	2871	0.224	ng	# 83
77) Benzidine	20.02	184	5360	0.771	ng	# 93
78) Pyrene	19.84	202	2217	0.153	ng	# 87
80) Butylbenzylphthalate	20.28	149	56	0.010	ng	# 27
81) Benzo(a)anthracene	21.69	228	1692	0.122	ng	# 89
83) Chrysene	21.73	228	704	0.053	ng	# 49
84) Bis(2-ethylhexyl)phthalate	21.54	149	430	0.056	ng	# 49
85) Di-n-octyl phthalate	22.76	149	57	0.004	ng	# 1
86) Indeno(1,2,3-cd)pyrene	28.73	276	64	0.004	ng	# 56
88) Benzo(b)fluoranthene	23.94	252	651	0.049	ng	# 43
89) Benzo(k)fluoranthene	23.99	252	140	0.011	ng	# 61
90) Benzo(a)pyrene	24.84	252	140	0.011	ng	# 59
92) Benzo(g,h,i)perylene	29.95	276	61	0.005	ng	# 56

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Instrument :
BNA_G
ClientSampleId :

Quant Time: Jan 10 04:21:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 09 14:23:53 2019
Response via : Initial Calibration

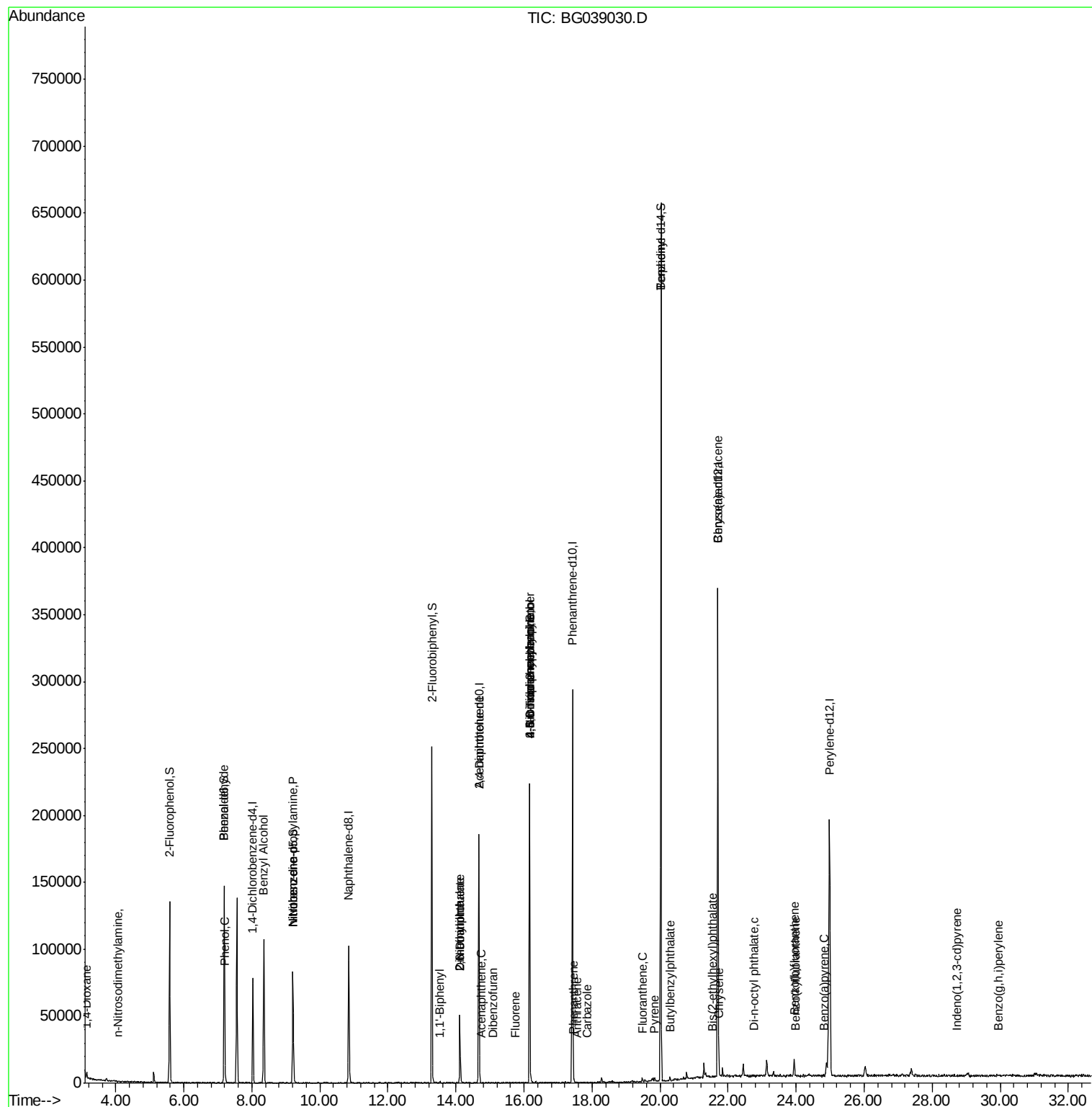
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

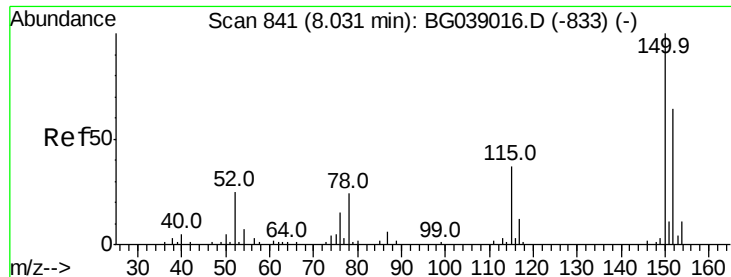
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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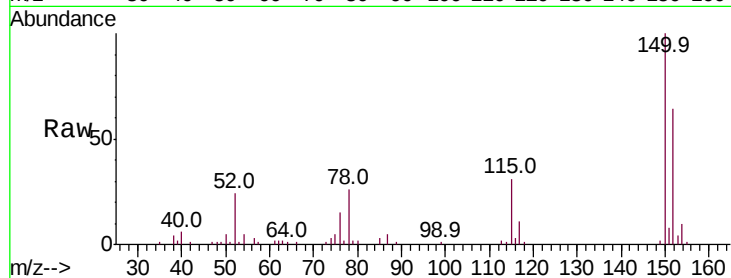


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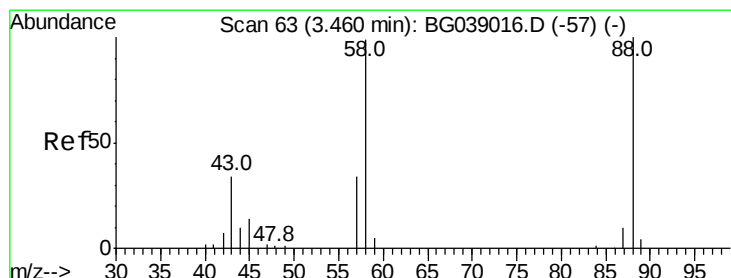
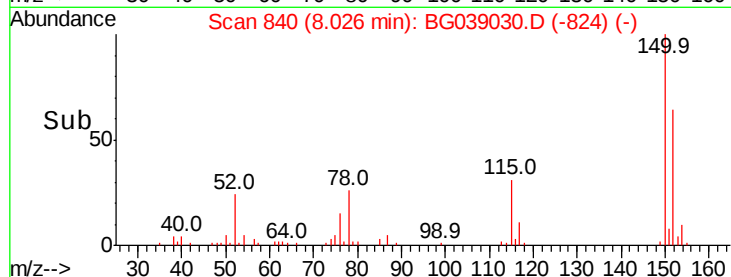
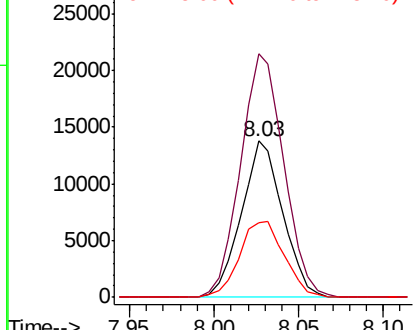
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG039030.D
Acq: 9 Jan 2019 21:07

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 23520
Ion Ratio Lower Upper
152 100
150 155.8 124.7 187.1
115 47.8 46.5 69.7



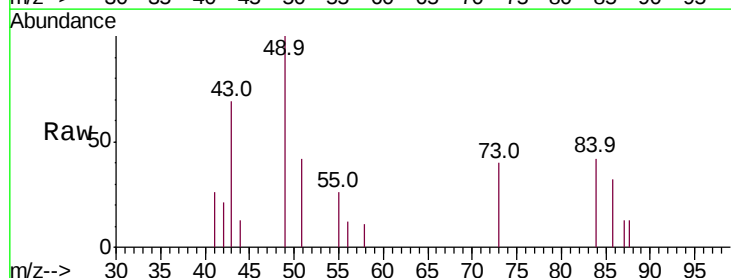
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



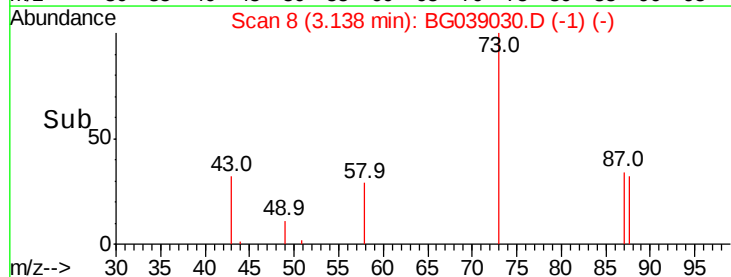
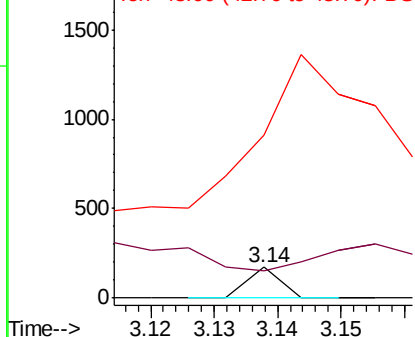
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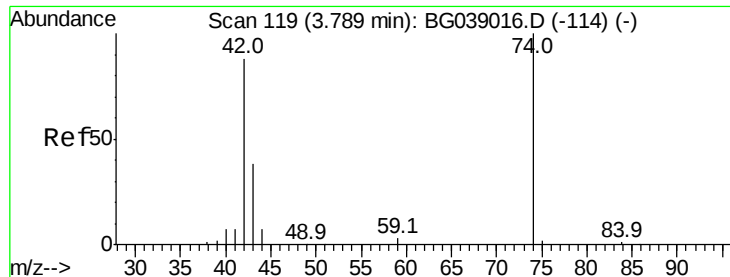
1,4-Dioxane
Concen: 0.124 ng
RT: 3.14 min Scan# 8
Delta R.T. -0.32 min
Lab File: BG039030.D
Acq: 9 Jan 2019 21:07

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
58 600.0 72.4 108.6#
43 2025.0 27.6 41.4#



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



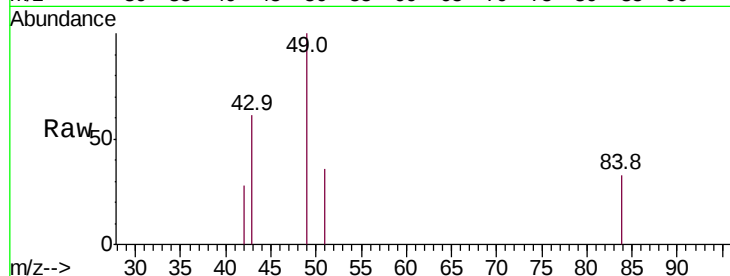


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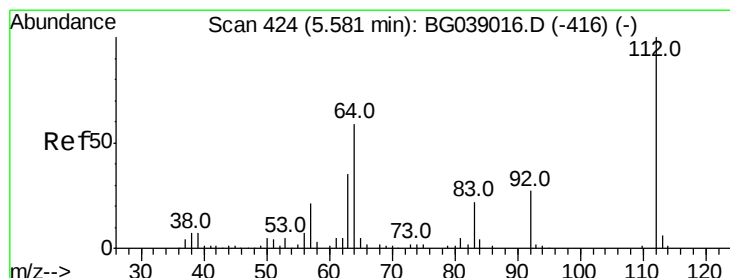
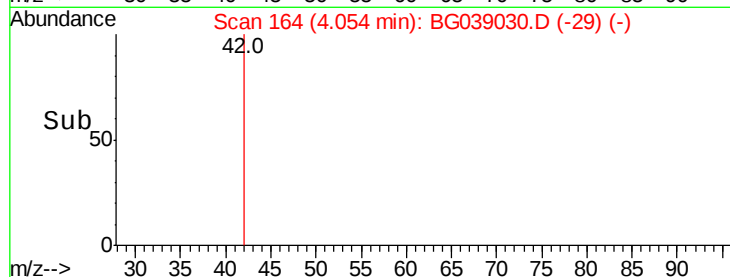
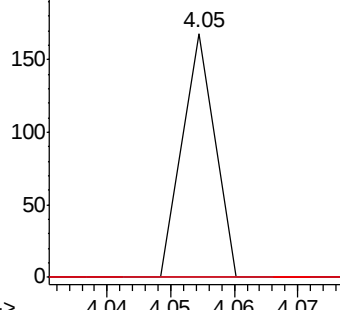
n-Nitrosodimethylamine
 Concen: 0.099 ng
 RT: 4.05 min Scan# 164
 Delta R.T. 0.27 min
 Lab File: BG039030.D
 Acq: 9 Jan 2019 21:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 42 Resp: 59
 Ion Ratio Lower Upper
 42 100
 74 0.0 90.7 136.1#
 44 0.0 6.5 9.7#



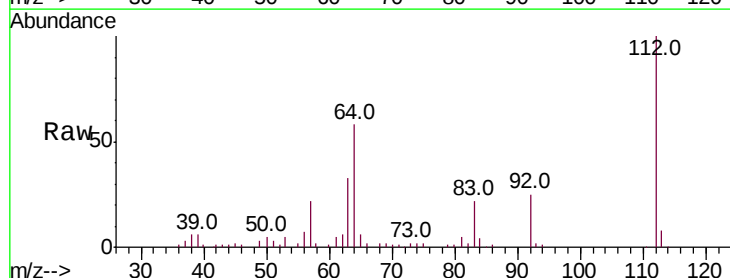
Abundance Ion 42.00 (41.70 to 42.70): BGC
 Ion 74.00 (73.70 to 74.70): BGC
 Ion 44.00 (43.70 to 44.70): BGC



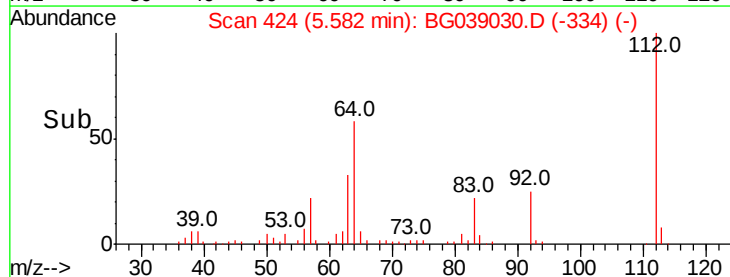
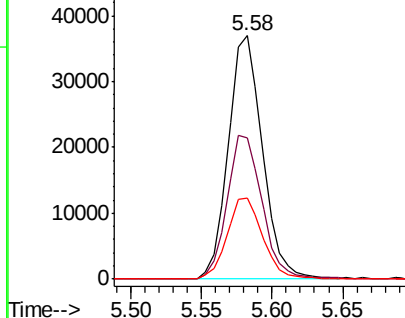
#5

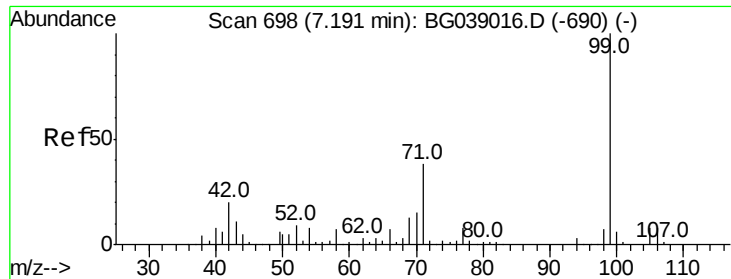
2-Fluorophenol
 Concen: 50.417 ng
 RT: 5.58 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: BG039030.D
 Acq: 9 Jan 2019 21:07

Tgt Ion: 112 Resp: 62510
 Ion Ratio Lower Upper
 112 100
 64 58.2 47.0 70.6
 63 33.1 28.0 42.0



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





#7

Phenol-d6

Concen: 48.731 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

Instrument :

BNA_G

ClientSampleId :

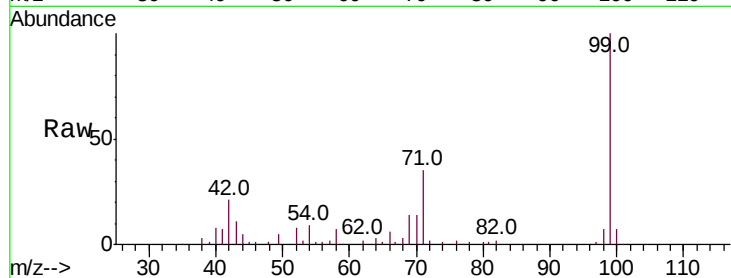
Tot Ion: 99 Resp: 86952

Ion Ratio Lower Upper

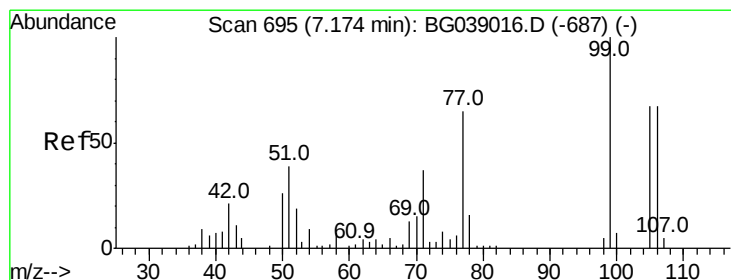
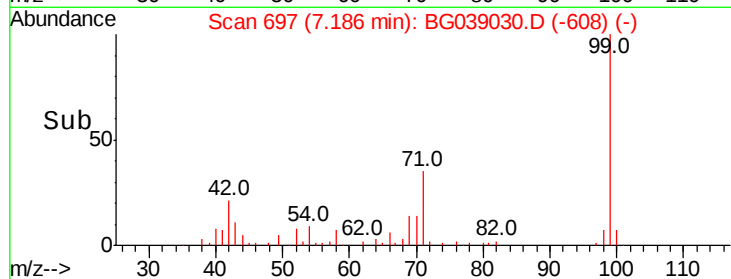
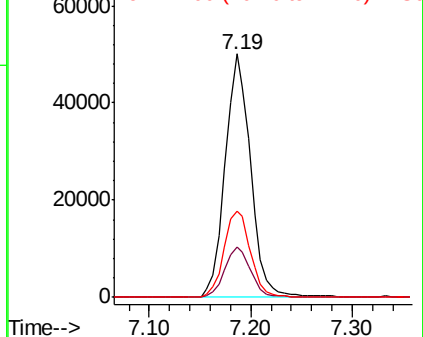
99 100

42 20.6 15.8 23.6

71 35.4 30.2 45.4



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



#9

Benzaldehyde

Concen: 0.058 ng

RT: 7.19 min Scan# 697

Delta R.T. 0.01 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

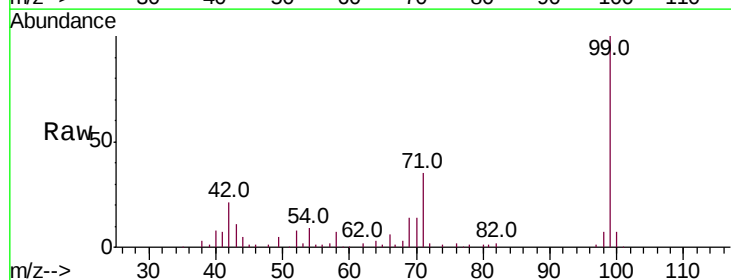
Tgt Ion: 77 Resp: 60

Ion Ratio Lower Upper

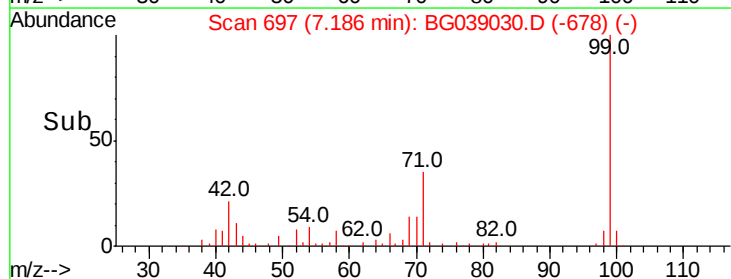
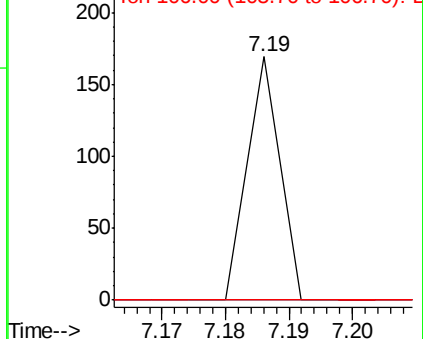
77 100

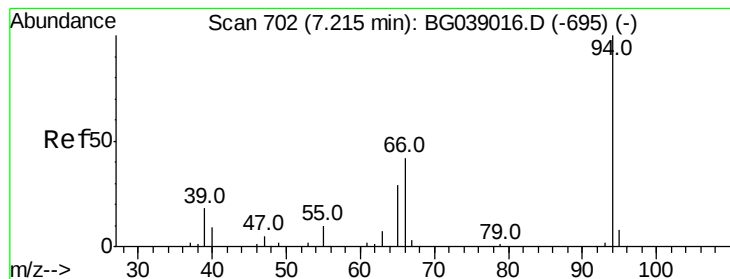
105 0.0 82.4 122.4#

106 0.0 82.8 122.8#



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: 0.741 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

Instrument :

BNA_G

ClientSampleId :

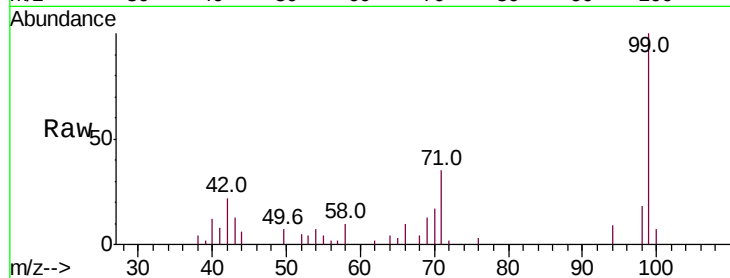
Tot Ion: 94 Resp: 1326

Ion Ratio Lower Upper

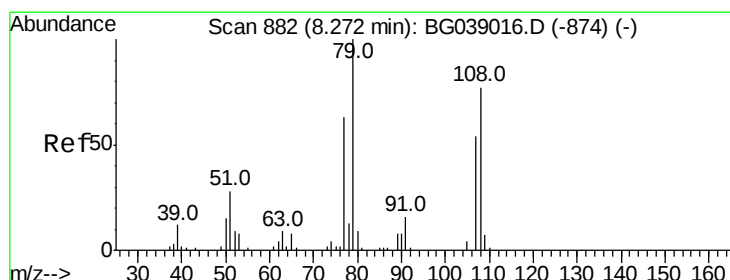
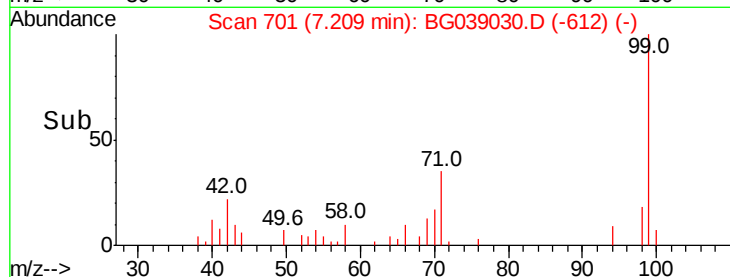
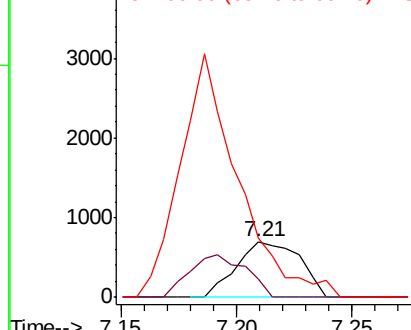
94 100

65 33.9 10.3 50.3

66 107.3 25.1 65.1#



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



#15

Benzyl Alcohol

Concen: 0.570 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.08 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

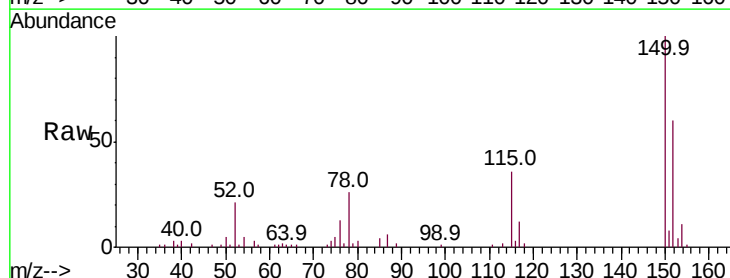
Tgt Ion: 79 Resp: 766

Ion Ratio Lower Upper

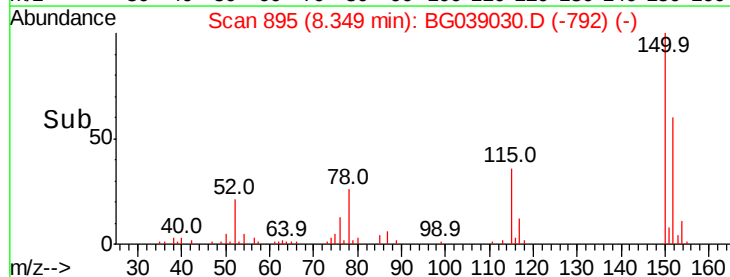
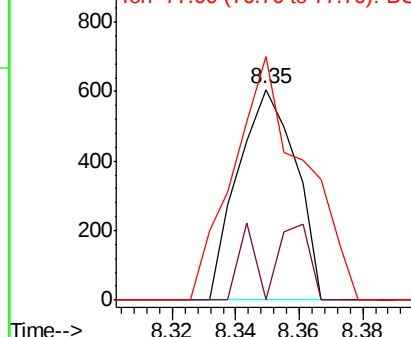
79 100

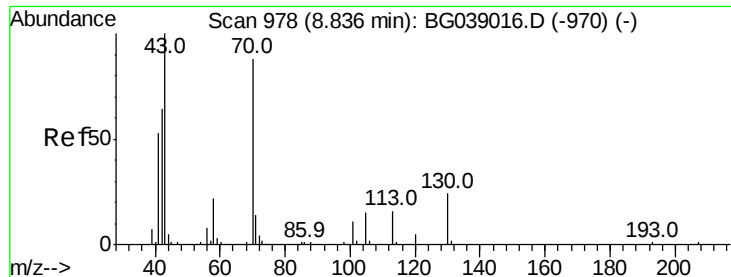
108 0.0 62.0 93.0#

77 115.7 50.1 75.1#



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

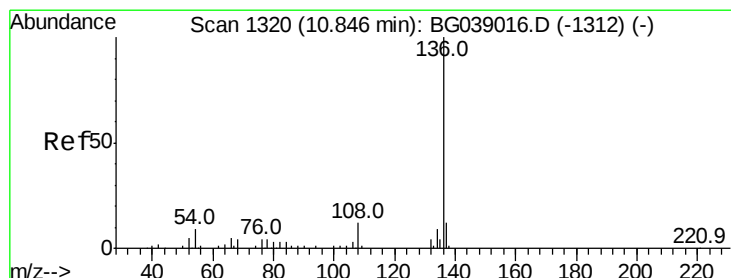
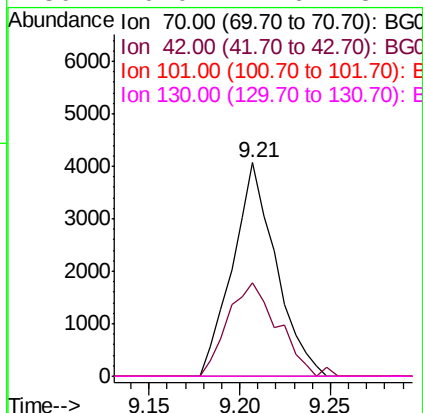
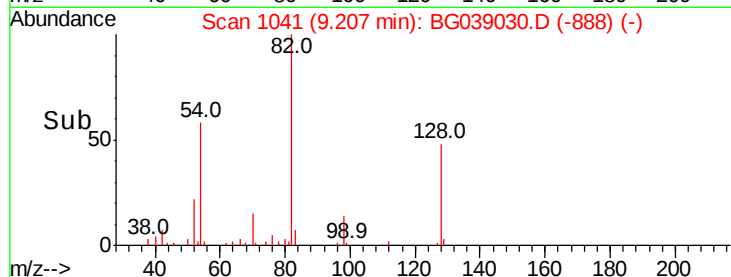
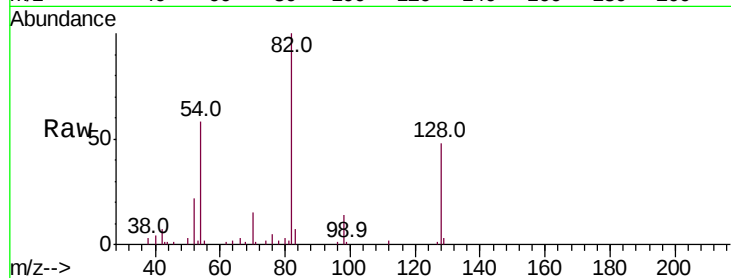




#19
n-Nitroso-di-n-propylamine
Concen: 5.762 ng
RT: 9.21 min Scan# 1041
Delta R.T. 0.37 min
Lab File: BG039030.D
Acq: 9 Jan 2019 21:07

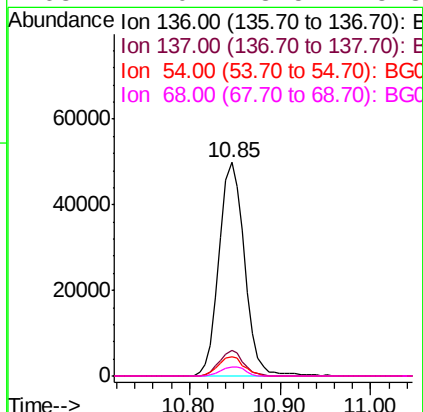
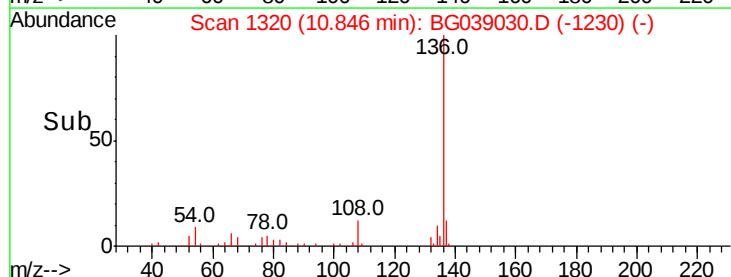
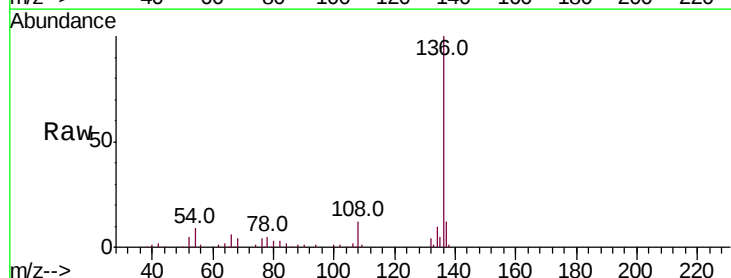
Instrument :
BNA_G
ClientSampleId :

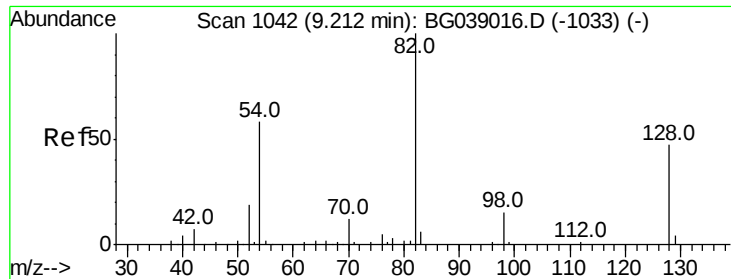
Tot Ion: 70 Resp: 6751
Ion Ratio Lower Upper
70 100
42 43.7 59.0 88.4#
101 0.0 10.4 15.6#
130 0.0 21.6 32.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BG039030.D
Acq: 9 Jan 2019 21:07

Tgt Ion: 136 Resp: 97205
Ion Ratio Lower Upper
136 100
137 12.0 9.4 14.2
54 9.0 7.2 10.8
68 4.0 3.5 5.3

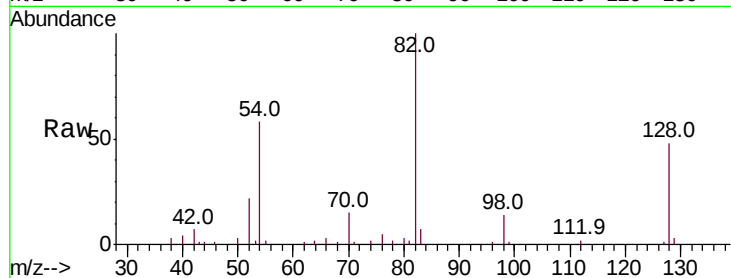




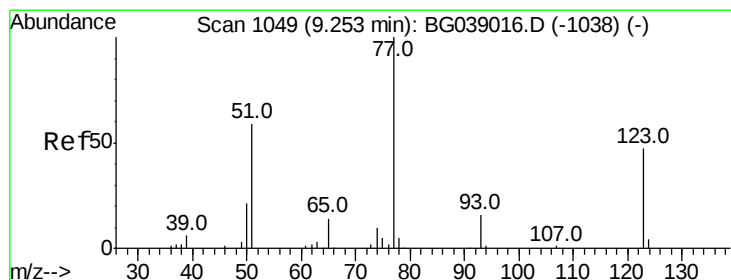
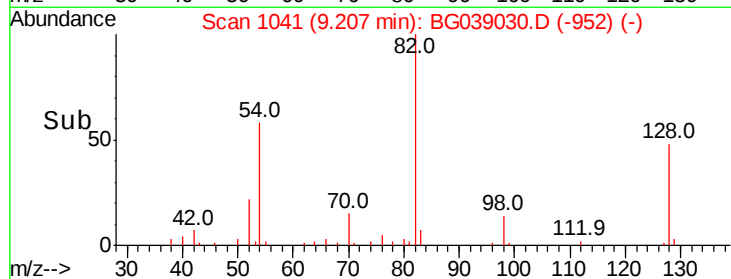
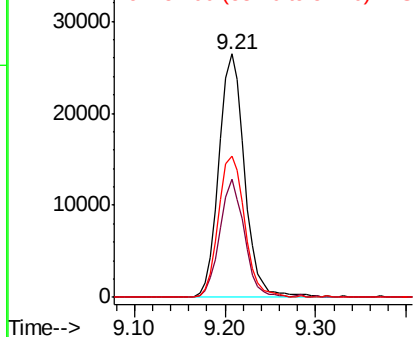
#23
Nitrobenzene-d5
Concen: 29.174 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG039030.D
Acq: 9 Jan 2019 21:07

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	51826
Ion Ratio	100	Lower	Upper
128	48.5	37.3	55.9
54	58.0	46.4	69.6

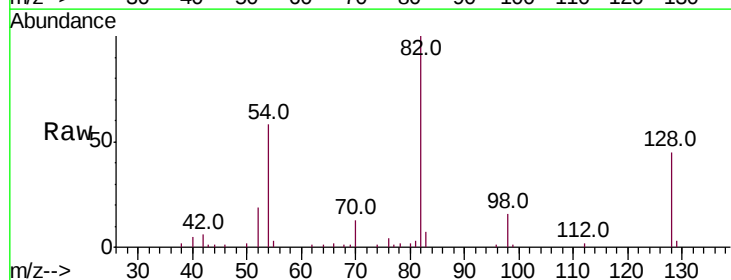


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

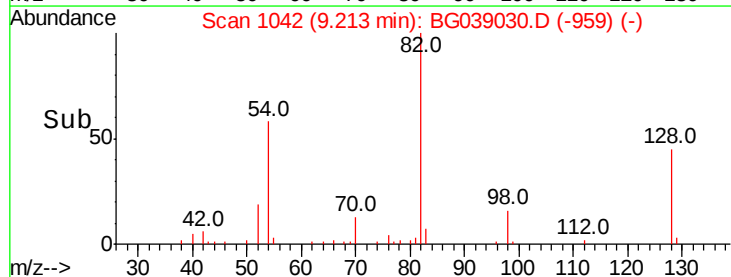
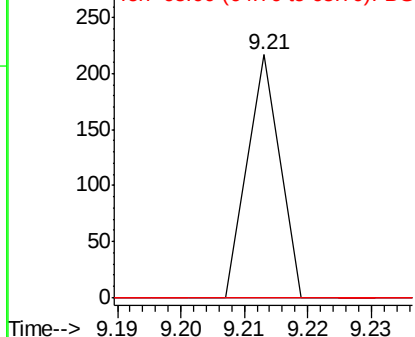


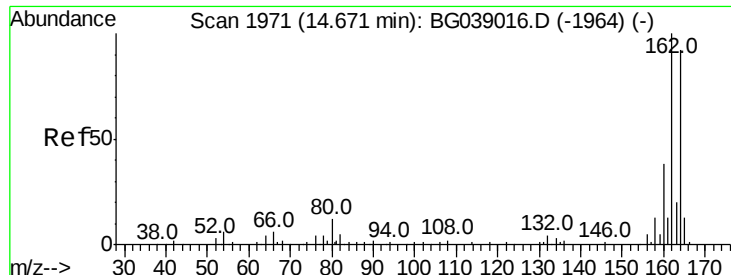
#24
Nitrobenzene
Concen: 0.042 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.04 min
Lab File: BG039030.D
Acq: 9 Jan 2019 21:07

Tgt Ion	77	Resp	76
Ion Ratio	100	Lower	Upper
123	0.0	37.6	56.4#
65	0.0	11.0	16.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

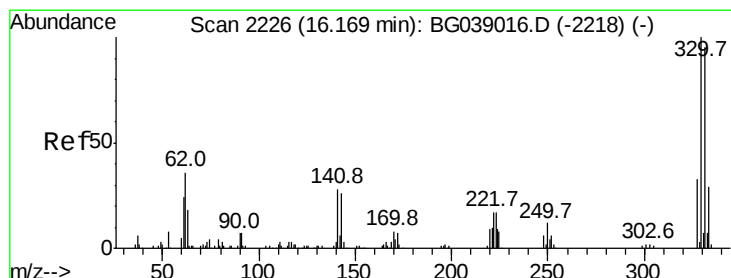
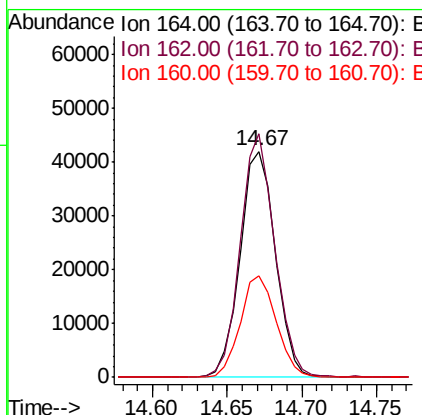
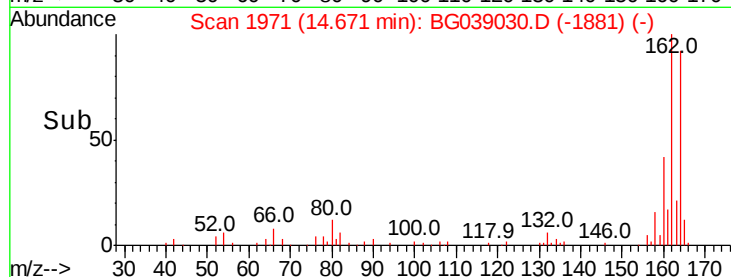
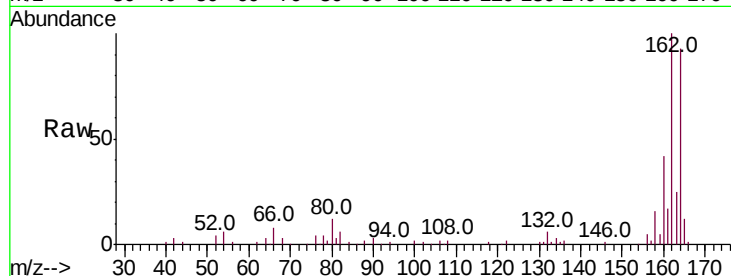




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. 0.00 min
Lab File: BG039030.D
Acq: 9 Jan 2019 21:07

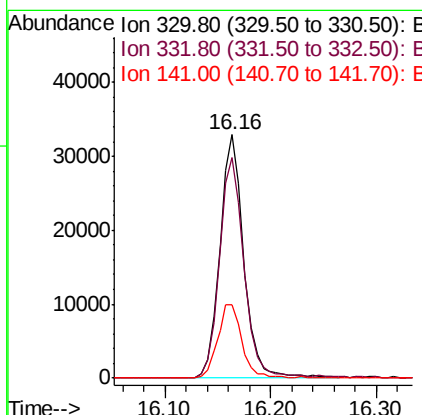
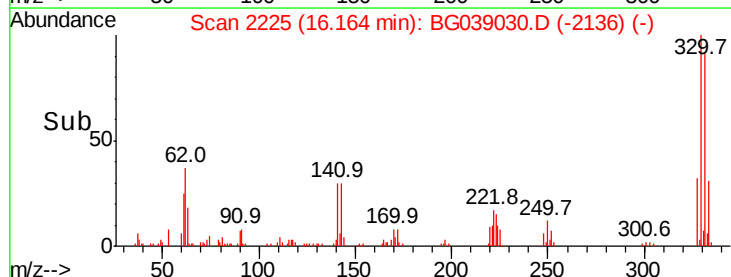
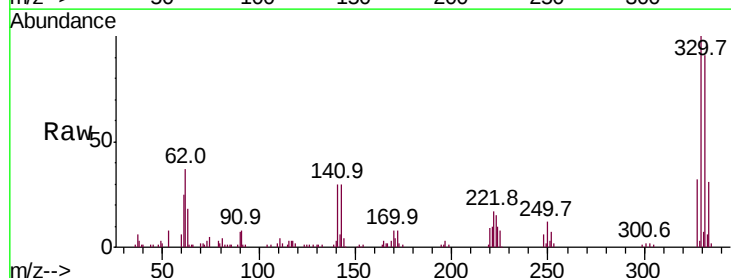
Instrument :
BNA_G
ClientSampleId :

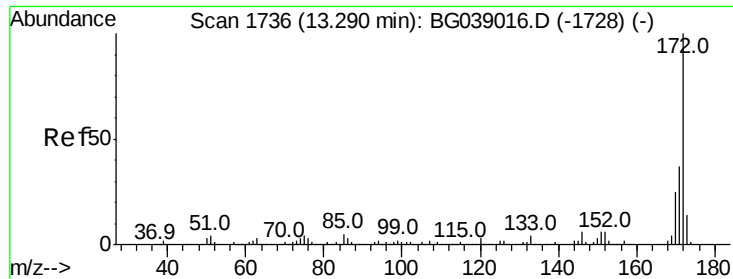
Tot Ion:164 Resp: 68678
Ion Ratio Lower Upper
164 100
162 107.7 87.2 130.8
160 45.2 33.3 49.9



#42
2,4,6-Tribromophenol
Concen: 45.012 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BG039030.D
Acq: 9 Jan 2019 21:07

Tgt Ion:330 Resp: 51819
Ion Ratio Lower Upper
330 100
332 93.5 75.7 113.5
141 30.8 24.9 37.3



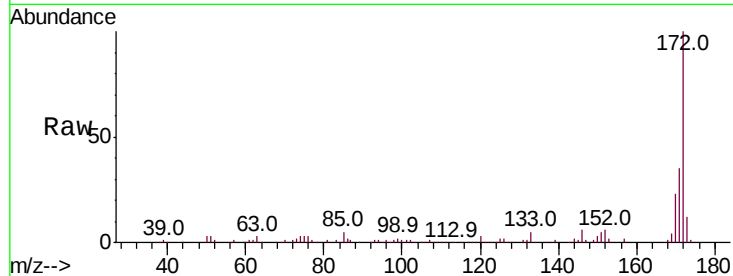


#45
 2-Fluorobiphenyl
 Concen: 29.464 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: BG039030.D
 Acq: 9 Jan 2019 21:07

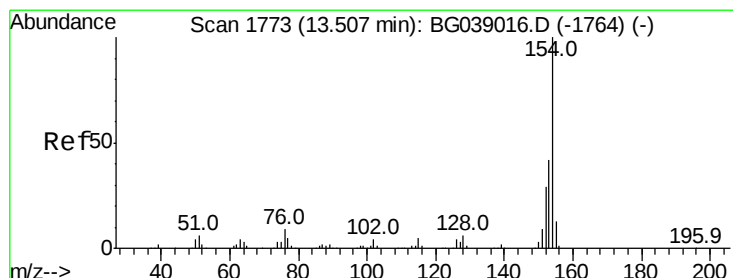
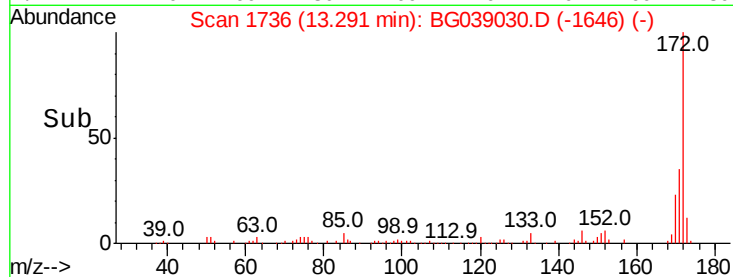
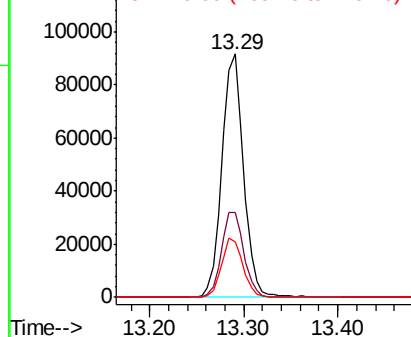
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 147857

Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.4	44.0
170	22.8	20.1	30.1



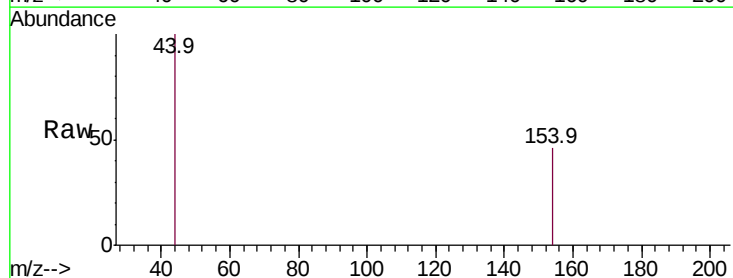
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



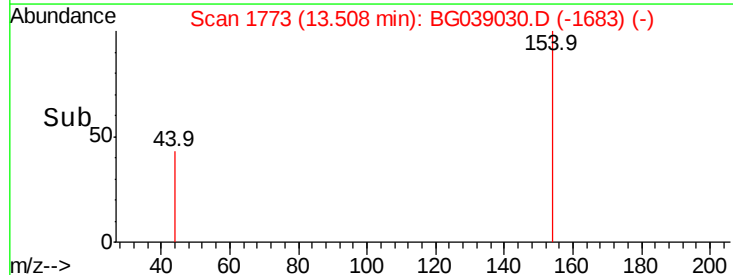
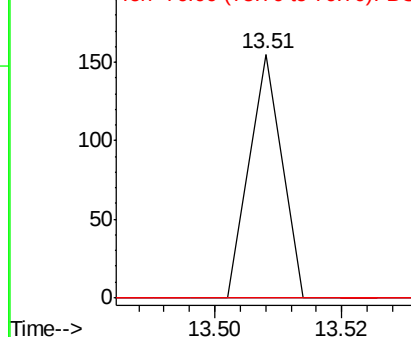
#46
 1,1'-Biphenyl
 Concen: 0.010 ng
 RT: 13.51 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: BG039030.D
 Acq: 9 Jan 2019 21:07

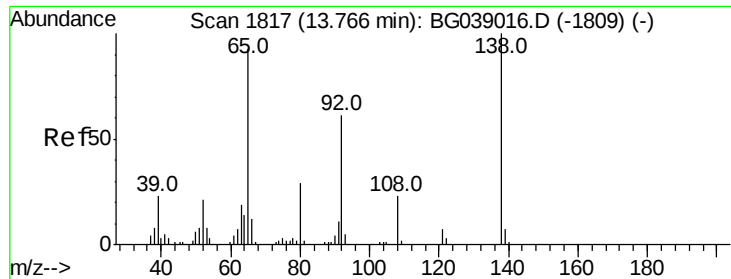
Tgt Ion:154 Resp: 55

Ion	Ratio	Lower	Upper
154	100		
153	0.0	22.4	62.4#
76	0.0	0.0	29.4



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

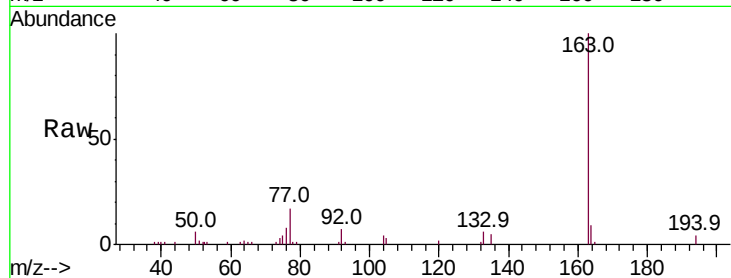




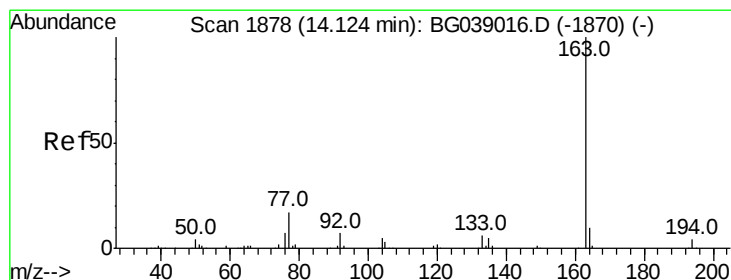
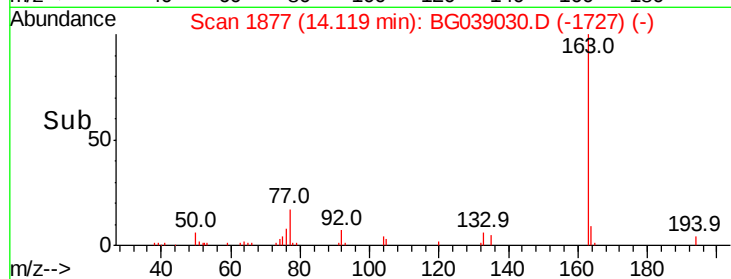
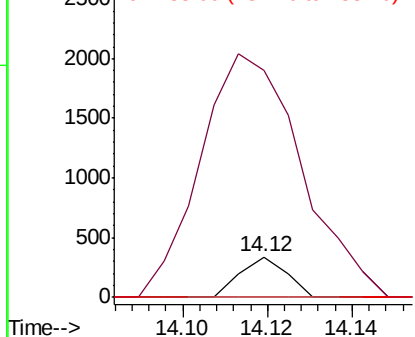
#48
2-Nitroaniline
Concen: 0.210 ng
RT: 14.12 min Scan# 1877
Delta R.T. 0.35 min
Lab File: BG039030.D
Acq: 9 Jan 2019 21:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 65 Resp: 259
Ion Ratio Lower Upper
65 100
92 564.9 52.2 78.4#
138 0.0 86.0 129.0#

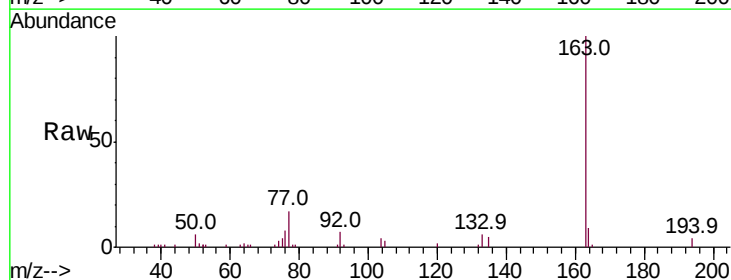


Abundance Ion 65.00 (64.70 to 65.70): BG0
Ion 92.00 (91.70 to 92.70): BG0
Ion 138.00 (137.70 to 138.70): E

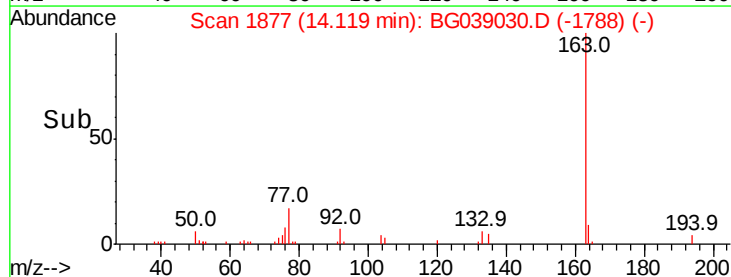
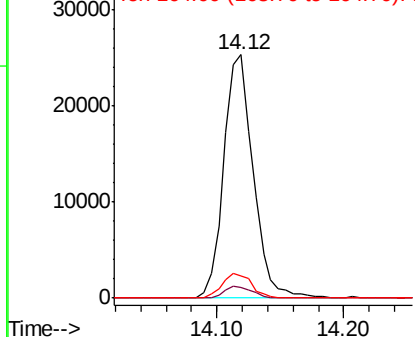


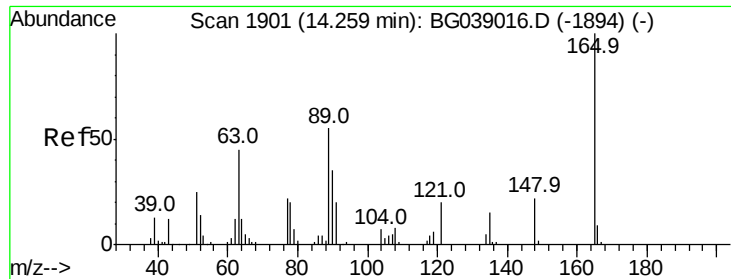
#50
Dimethylphthalate
Concen: 7.000 ng
RT: 14.12 min Scan# 1877
Delta R.T. -0.01 min
Lab File: BG039030.D
Acq: 9 Jan 2019 21:07

Tgt Ion:163 Resp: 40625
Ion Ratio Lower Upper
163 100
194 4.2 3.6 5.4
164 9.1 8.2 12.2



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: 0.325 ng

RT: 14.12 min Scan# 1877

Delta R.T. -0.14 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

Instrument :

BNA_G

ClientSampled :

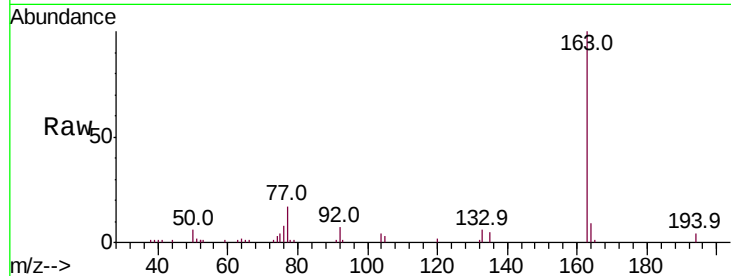
Tot Ion:165 Resp: 422

Ion Ratio Lower Upper

165 100

63 92.6 43.6 65.4#

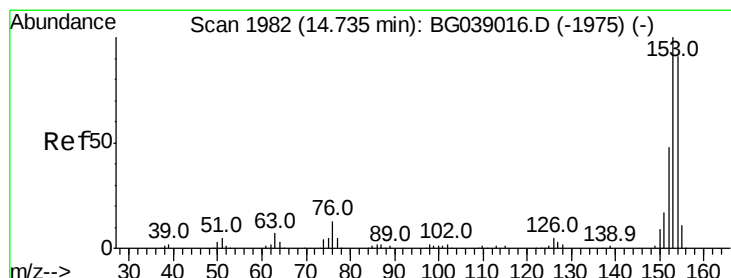
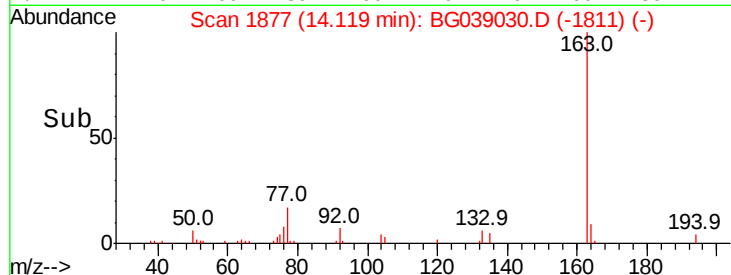
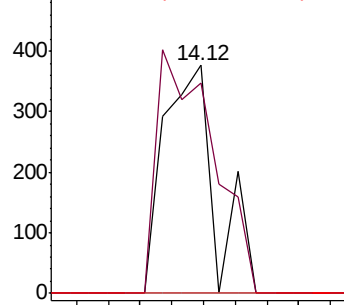
89 0.0 43.7 65.5#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#52

Acenaphthene

Concen: 0.013 ng

RT: 14.75 min Scan# 1984

Delta R.T. 0.01 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

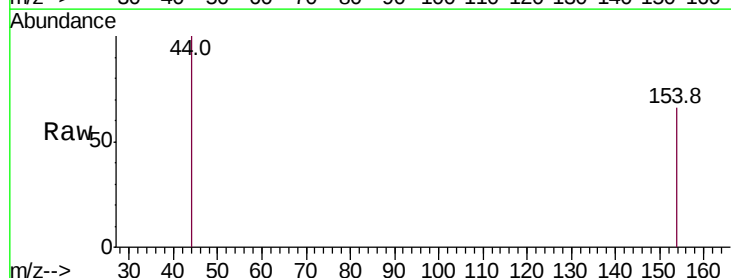
Tgt Ion:154 Resp: 53

Ion Ratio Lower Upper

154 100

153 0.0 87.9 131.9#

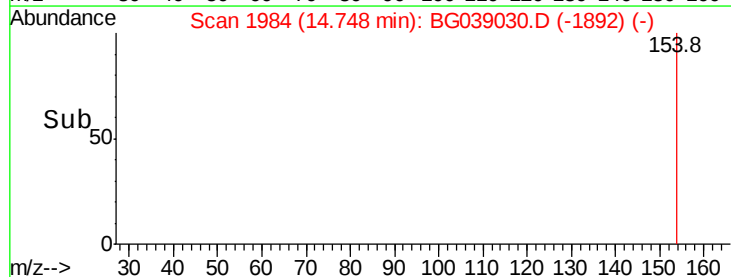
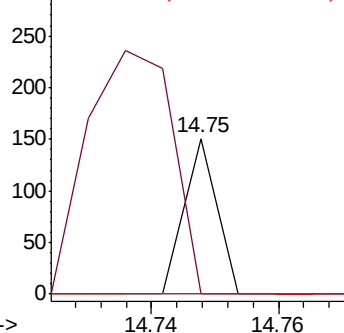
152 0.0 42.2 63.2#

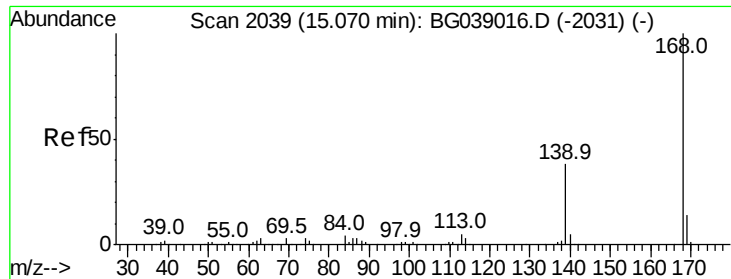


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

Dibenzofuran

Concen: 0.008 ng

RT: 15.09 min Scan# 2042

Delta R.T. 0.02 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

Instrument :

BNA_G

ClientSampleId :

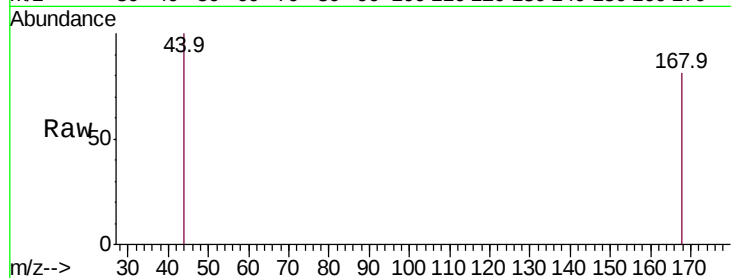
Tot Ion:168 Resp: 56

Ion Ratio Lower Upper

168 100

139 0.0 30.1 45.1#

169 0.0 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E

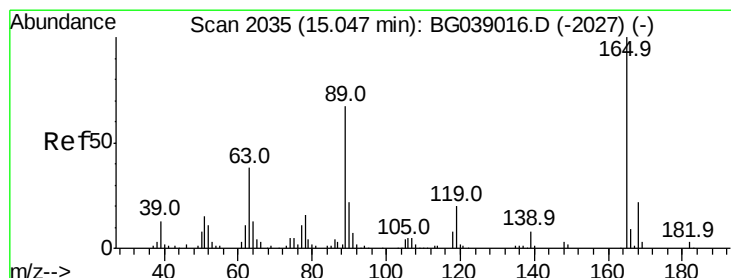
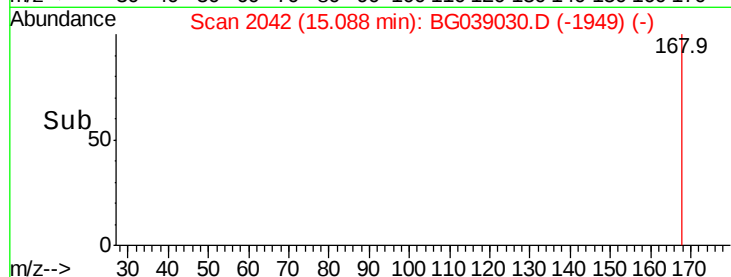
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

15.09

15.08 15.10

Time-->



#57

2,4-Dinitrotoluene

Concen: 4.759 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.38 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

Tgt Ion:165 Resp: 8859

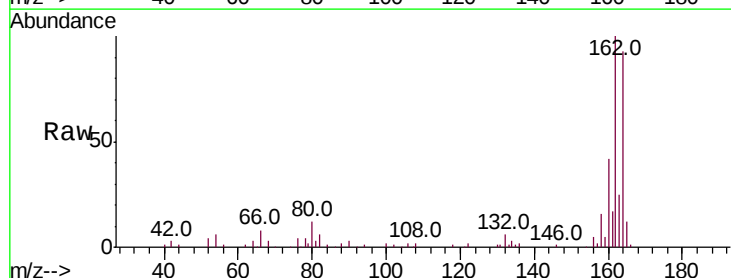
Ion Ratio Lower Upper

165 100

63 0.0 30.2 45.4#

89 0.0 53.2 79.8#

182 0.0 2.7 4.1#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

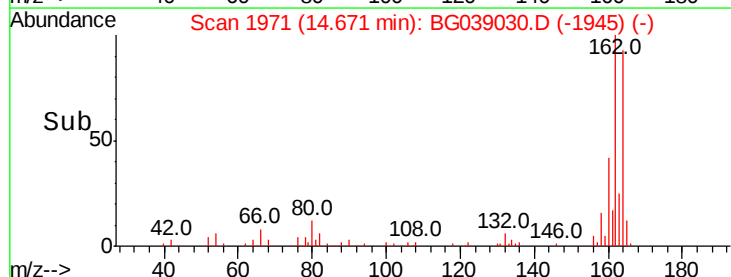
Ion 89.00 (88.70 to 89.70): BGC

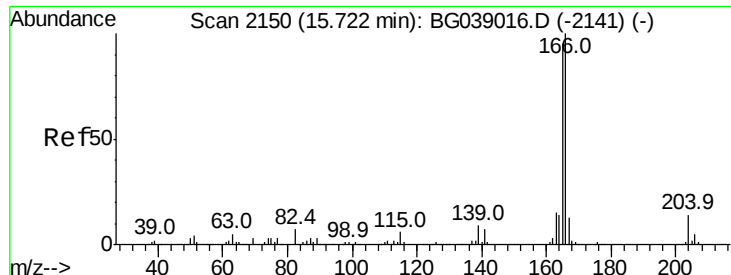
Ion 182.00 (181.70 to 182.70): E

14.67

14.60 14.70

Time-->





#58

Fluorene

Concen: 0.034 ng

RT: 15.73 min Scan# 2152

Delta R.T. 0.01 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

Instrument :

BNA_G

ClientSampled :

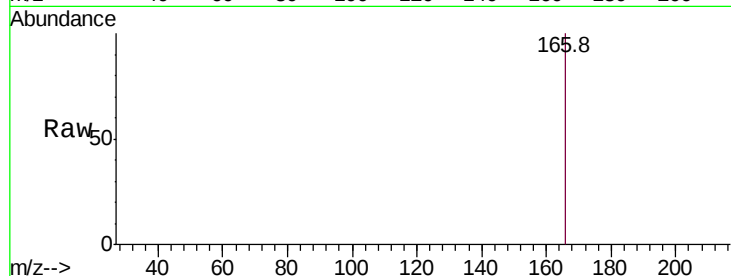
Tot Ion:166 Resp: 180

Ion Ratio Lower Upper

166 100

165 0.0 76.2 114.2#

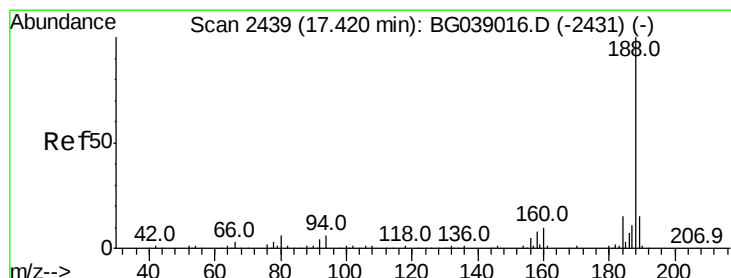
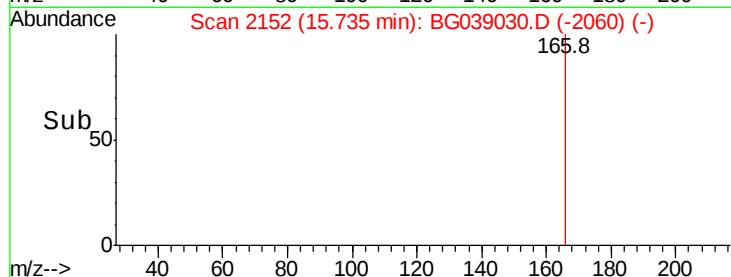
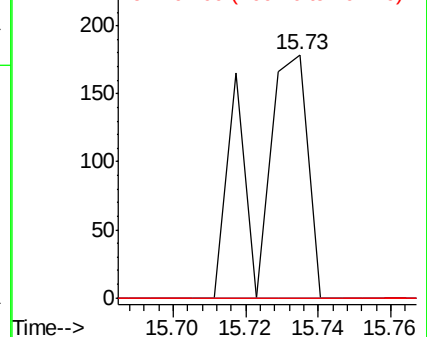
167 0.0 10.6 16.0#



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. 0.00 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

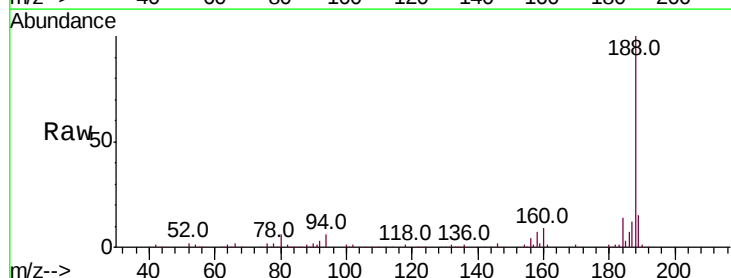
Tgt Ion:188 Resp: 195318

Ion Ratio Lower Upper

188 100

94 6.0 5.0 7.4

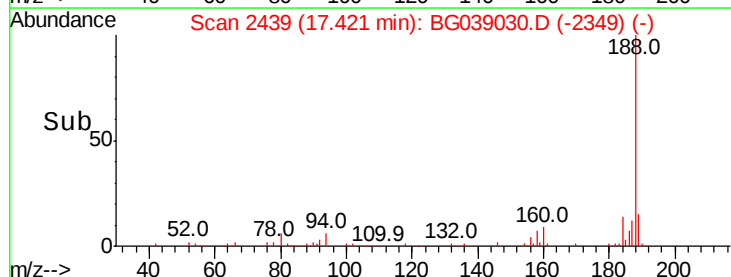
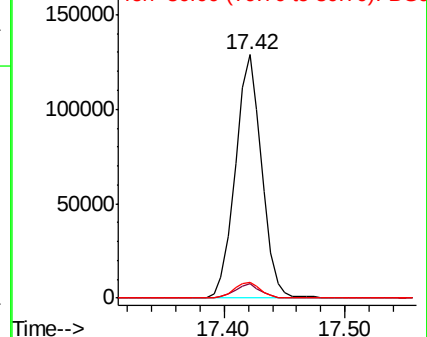
80 6.5 4.7 7.1

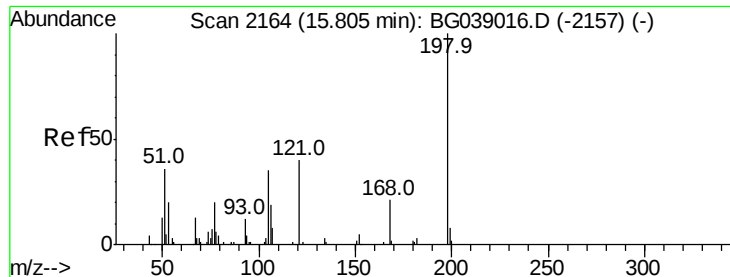


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

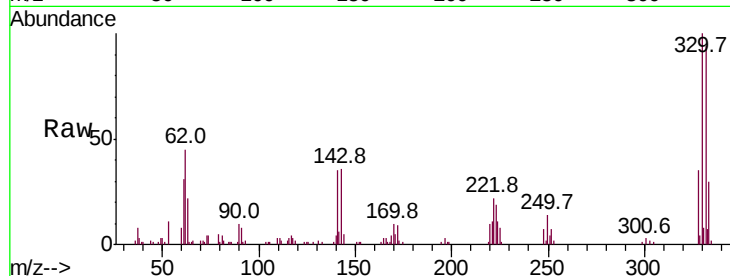




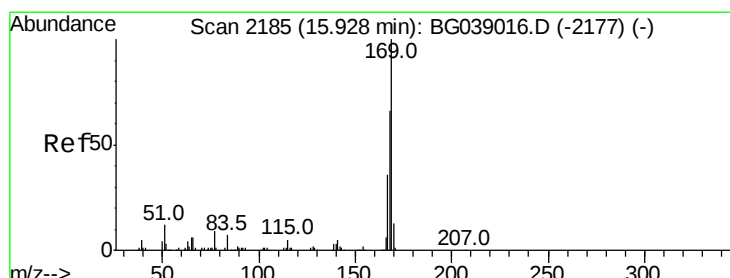
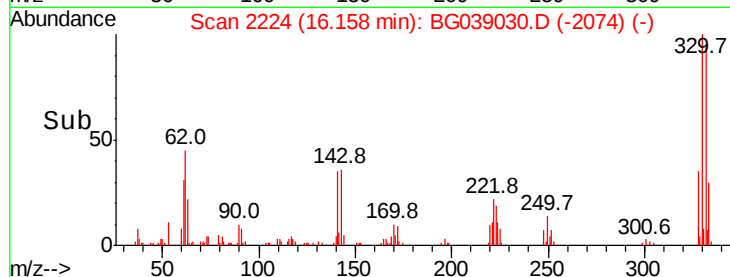
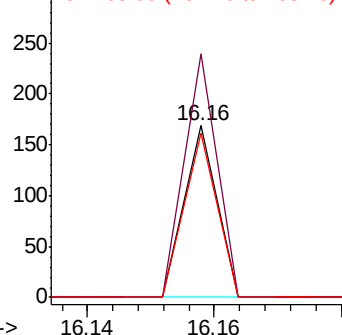
#65
4,6-Dinitro-2-methylphenol
Concen: 0.041 ng
RT: 16.16 min Scan# 2224
Delta R.T. 0.35 min
Lab File: BG039030.D
Acq: 9 Jan 2019 21:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 60
Ion Ratio Lower Upper
198 100
51 42.7 20.8 60.8
105 28.9 16.1 56.1

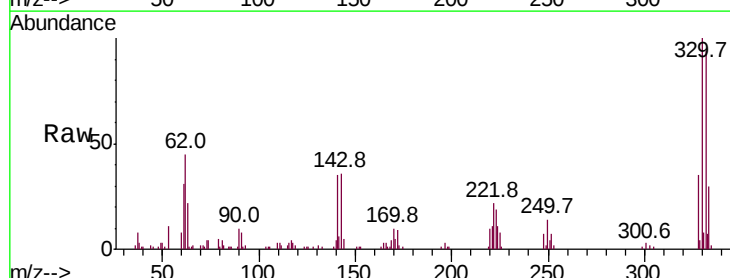


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

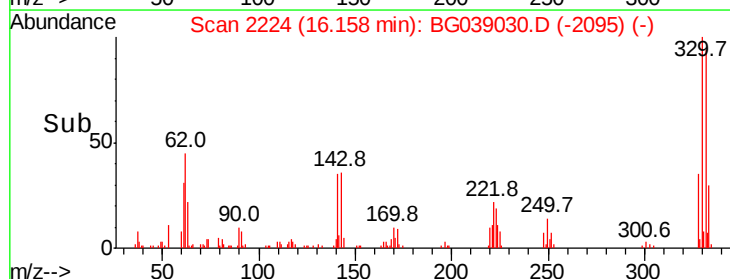
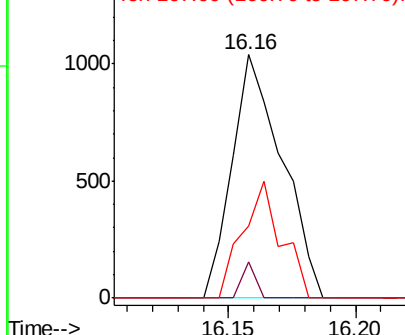


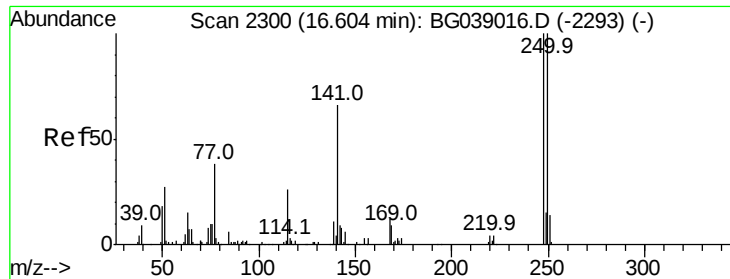
#66
n-Nitrosodiphenylamine
Concen: 0.245 ng
RT: 16.16 min Scan# 2224
Delta R.T. 0.23 min
Lab File: BG039030.D
Acq: 9 Jan 2019 21:07

Tgt Ion:169 Resp: 1420
Ion Ratio Lower Upper
169 100
168 14.7 53.2 79.8#
167 29.5 29.1 43.7



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

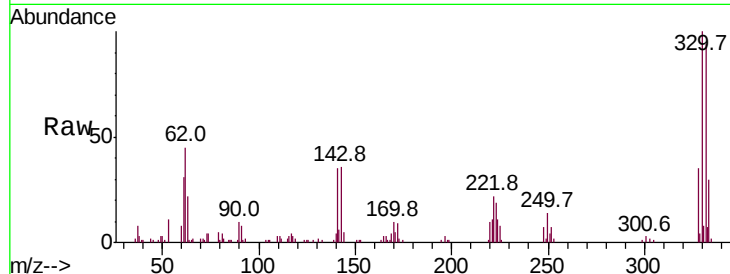




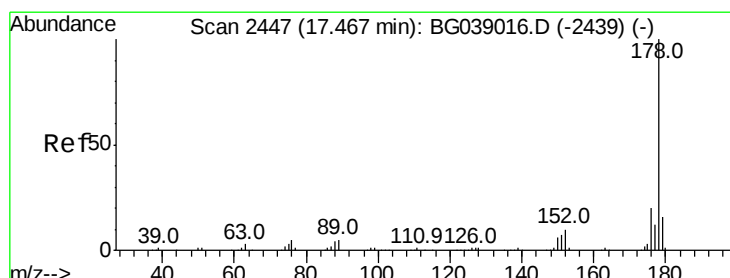
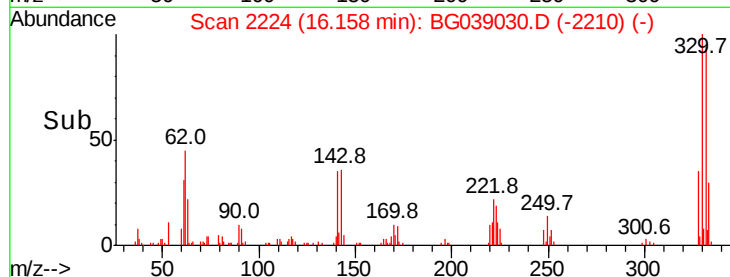
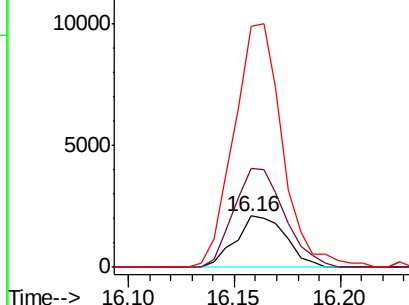
#67
 4-Bromophenyl-phenylether
 Concen: 1.380 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG039030.D
 Acq: 9 Jan 2019 21:07

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 3464
 Ion Ratio Lower Upper
 248 100
 250 196.1 79.9 119.9#
 141 378.6 52.7 79.1#



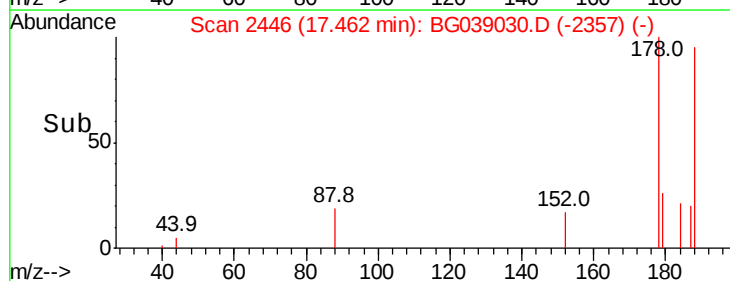
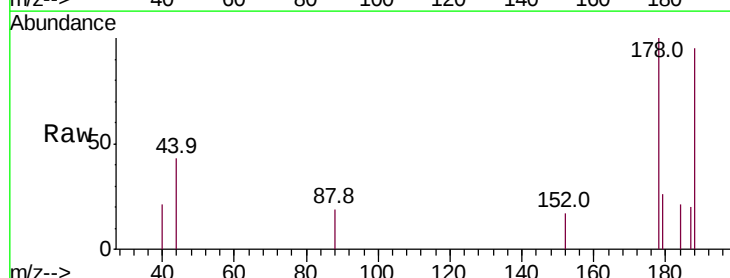
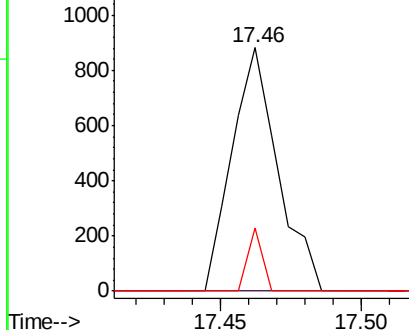
Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

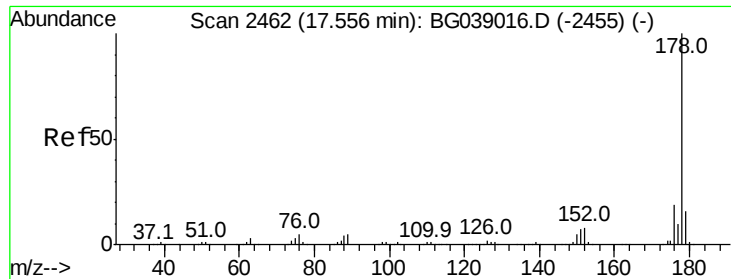


#71
 Phenanthrene
 Concen: 0.096 ng
 RT: 17.46 min Scan# 2446
 Delta R.T. -0.01 min
 Lab File: BG039030.D
 Acq: 9 Jan 2019 21:07

Tgt Ion:178 Resp: 995
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.7 23.5#
 179 25.9 12.9 19.3#

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: 0.036 ng

RT: 17.56 min Scan# 2463

Delta R.T. 0.01 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

Instrument :

BNA_G

ClientSampleId :

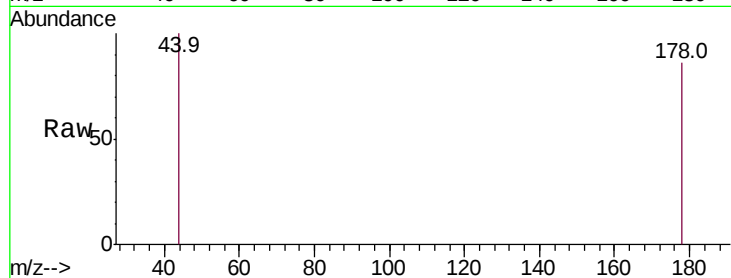
Tot Ion:178 Resp: 368

Ion Ratio Lower Upper

178 100

176 0.0 14.9 22.3#

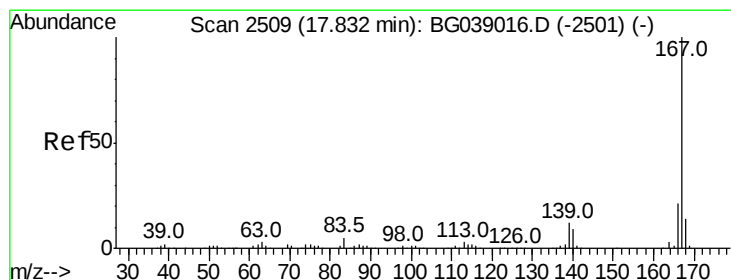
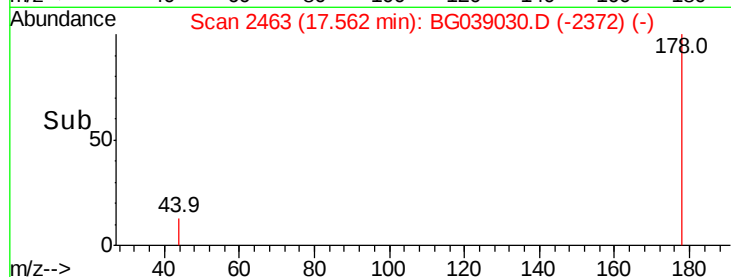
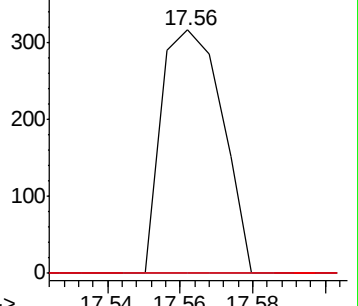
179 0.0 13.0 19.4#



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: 0.006 ng

RT: 17.84 min Scan# 2511

Delta R.T. 0.01 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

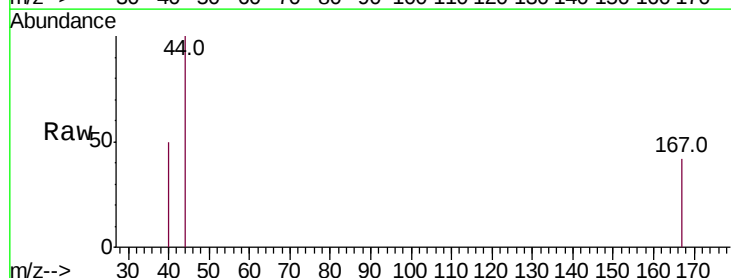
Tgt Ion:167 Resp: 59

Ion Ratio Lower Upper

167 100

166 0.0 16.9 25.3#

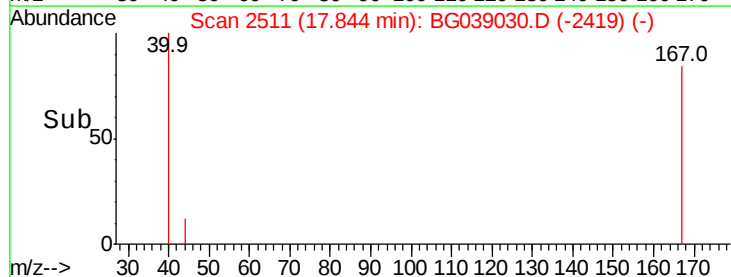
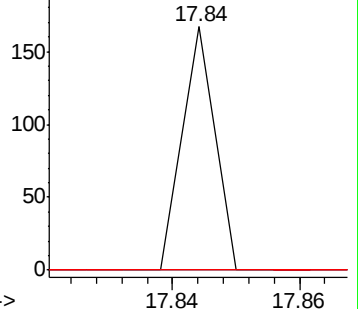
139 0.0 10.0 15.0#

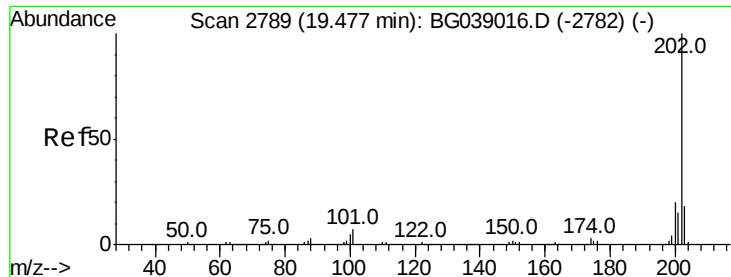


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 0.224 ng

RT: 19.48 min Scan# 2789

Delta R.T. 0.00 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

Instrument :

BNA_G

ClientSampleId :

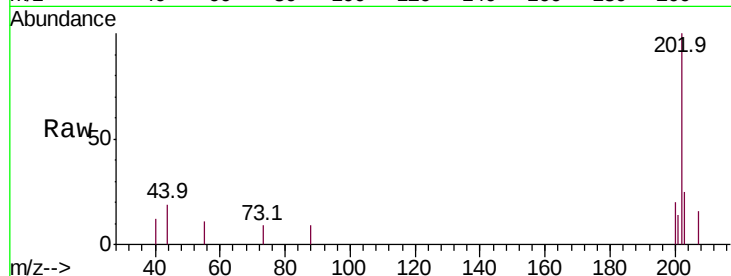
Tot Ion:202 Resp: 2871

Ion Ratio Lower Upper

202 100

101 0.0 0.0 26.9

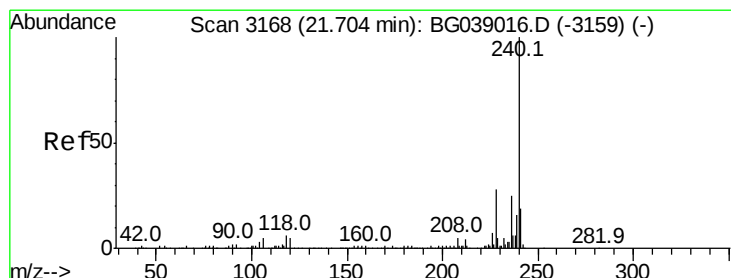
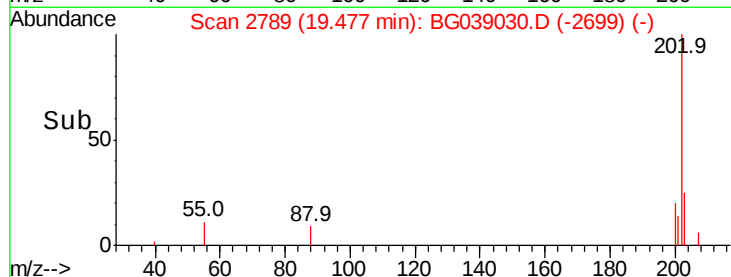
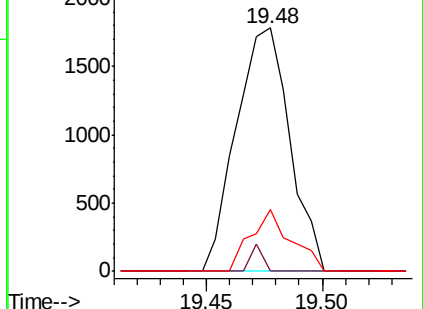
203 25.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

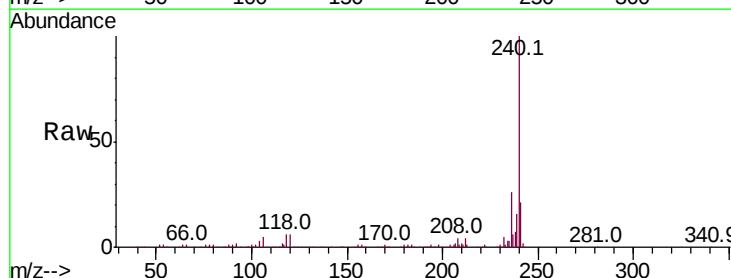
Tgt Ion:240 Resp: 227325

Ion Ratio Lower Upper

240 100

120 6.2 4.3 6.5

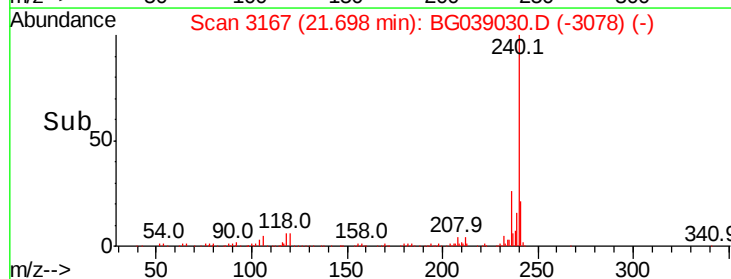
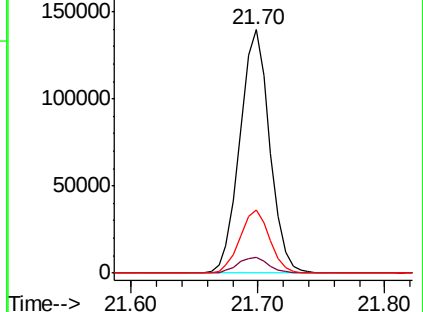
236 26.1 20.1 30.1

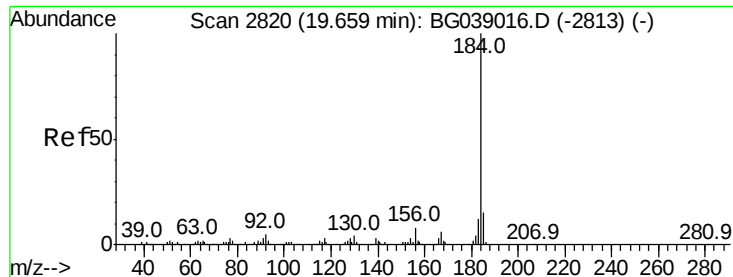


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.771 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.36 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

Instrument :

BNA_G

ClientSampled :

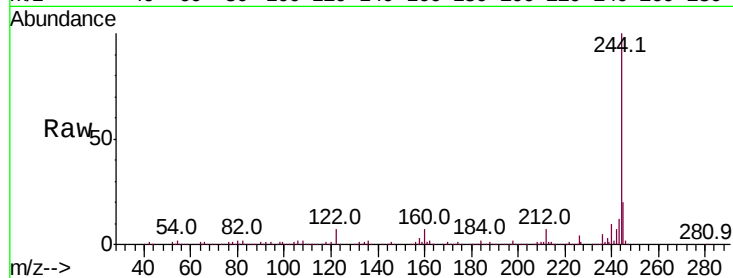
Tot Ion:184 Resp: 5360

Ion Ratio Lower Upper

184 100

185 16.4 12.1 18.1

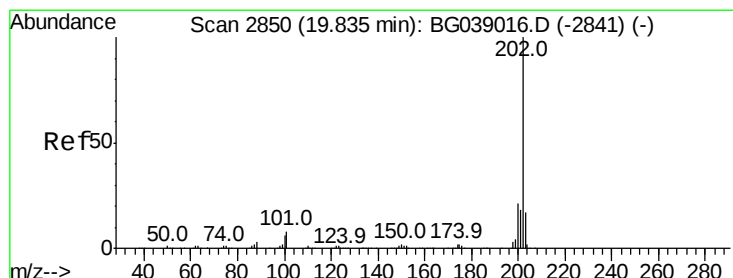
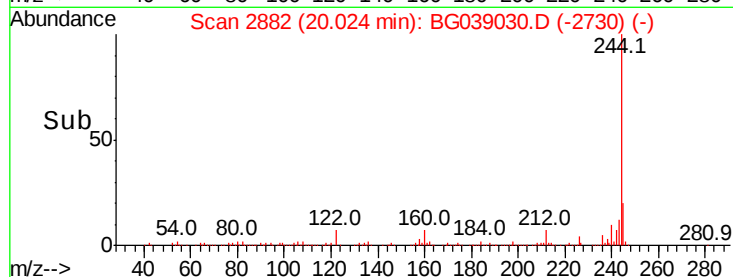
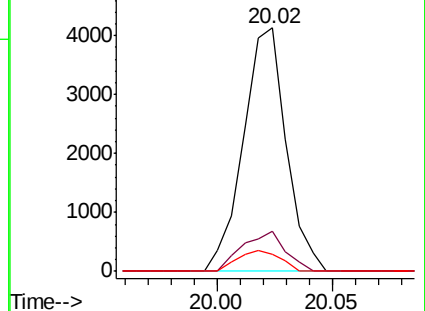
183 7.2 9.5 14.3#



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: 0.153 ng

RT: 19.84 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

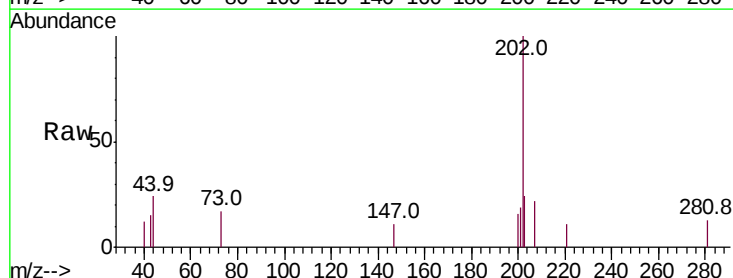
Tgt Ion:202 Resp: 2217

Ion Ratio Lower Upper

202 100

200 16.1 17.0 25.6#

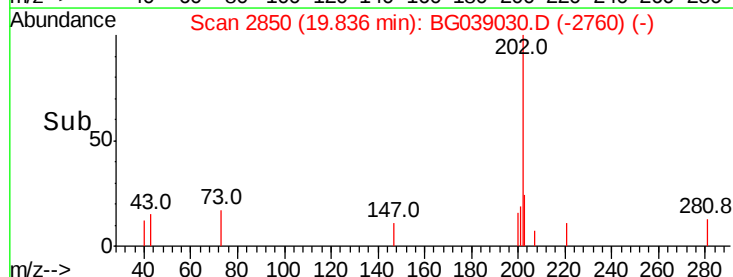
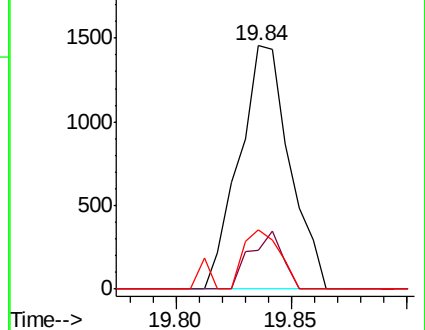
203 24.4 14.0 21.0#

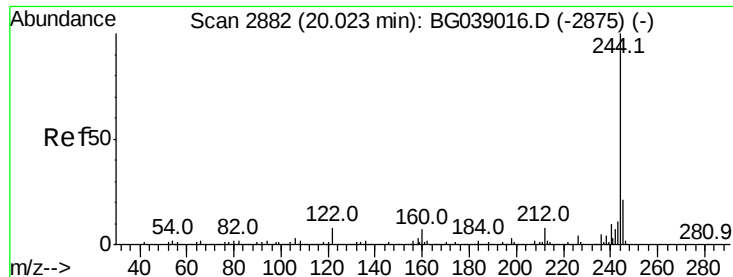


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 28.377 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.00 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

Instrument :

BNA_G

ClientSampleId :

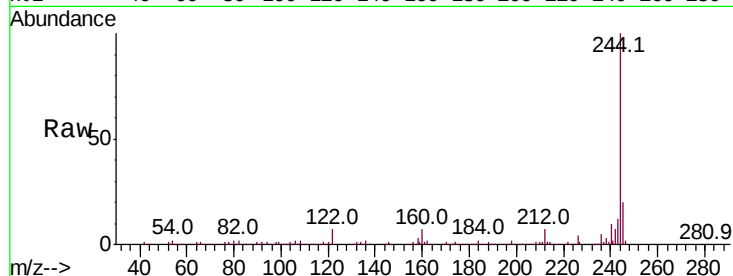
Tot Ion:244 Resp: 348711

Ion Ratio Lower Upper

244 100

212 6.8 6.1 9.1

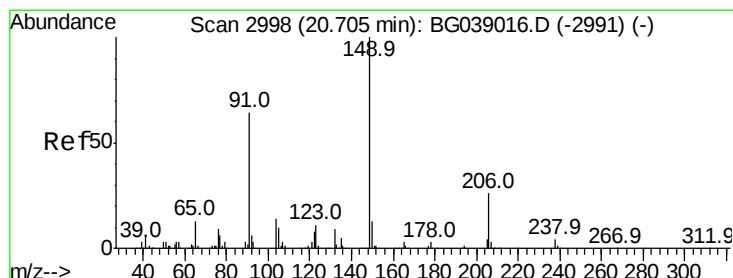
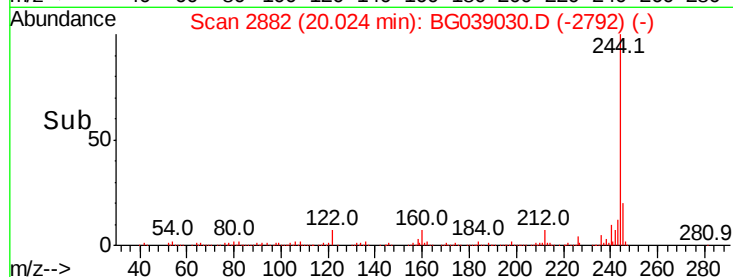
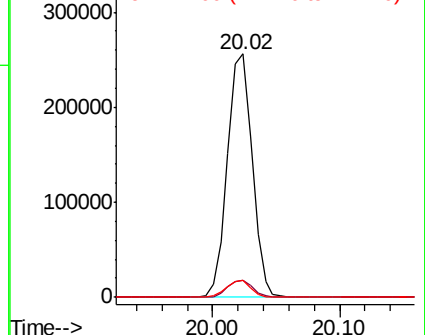
122 6.8 6.1 9.1



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: 20.28 min Scan# 2925

Delta R.T. -0.43 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

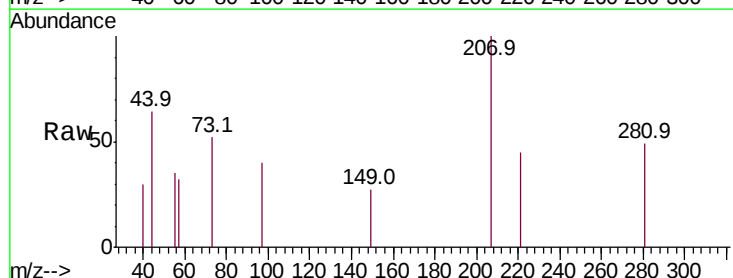
Tgt Ion:149 Resp: 56

Ion Ratio Lower Upper

149 100

91 0.0 51.4 77.0#

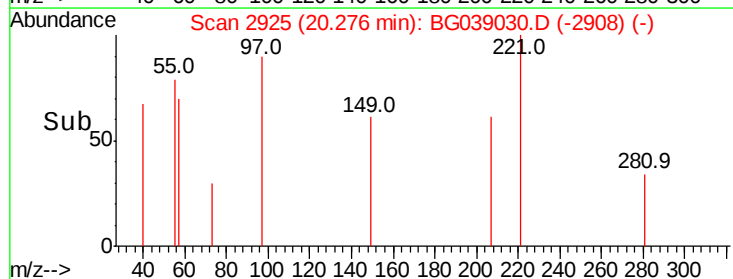
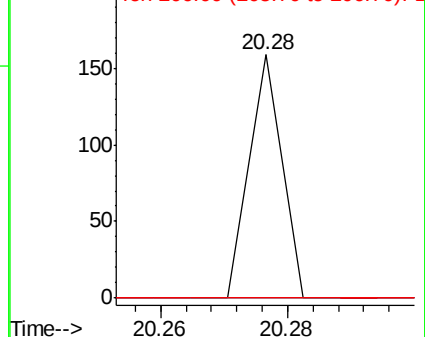
206 0.0 20.4 30.6#

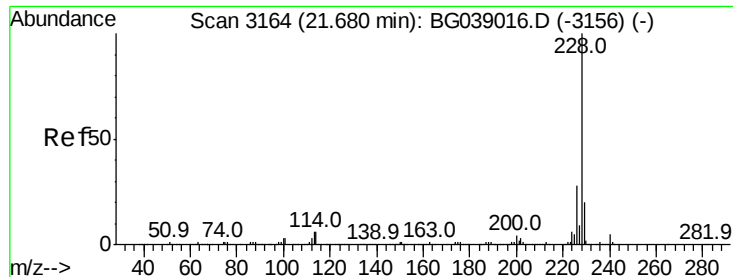


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.122 ng

RT: 21.69 min Scan# 3166

Delta R.T. 0.01 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

Instrument :

BNA_G

ClientSampled :

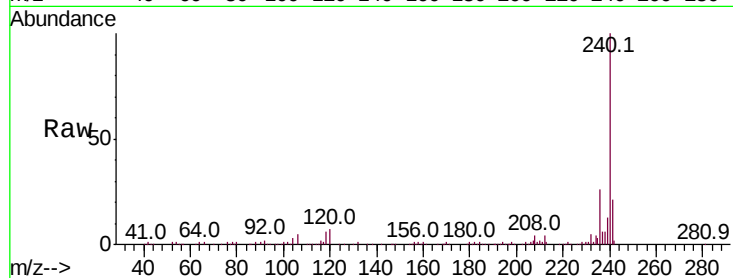
Tot Ion:228 Resp: 1692

Ion Ratio Lower Upper

228 100

226 22.2 22.4 33.6#

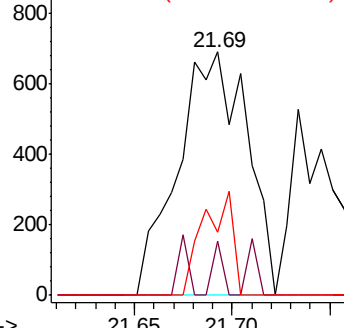
229 25.7 16.2 24.2#



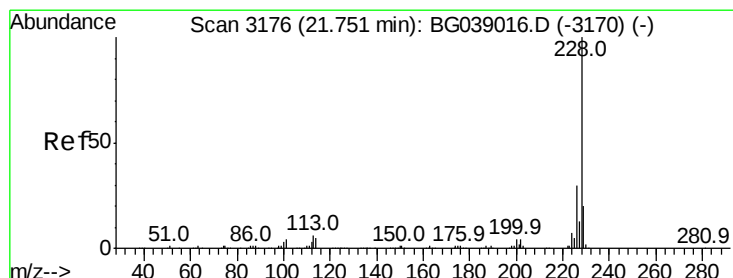
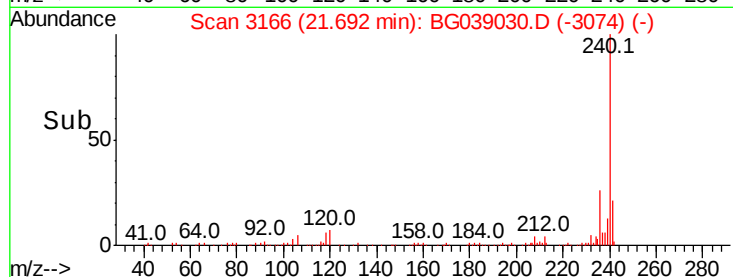
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Chrysene

Concen: 0.053 ng

RT: 21.73 min Scan# 3173

Delta R.T. -0.02 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

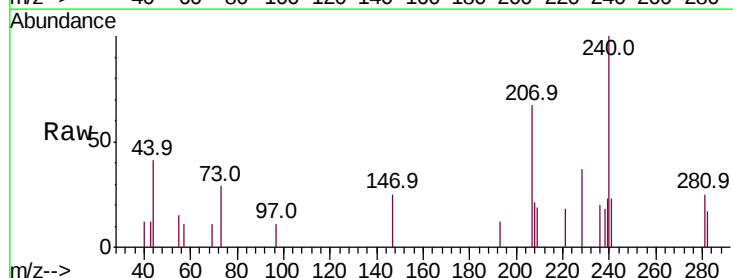
Tgt Ion:228 Resp: 704

Ion Ratio Lower Upper

228 100

226 0.0 24.1 36.1#

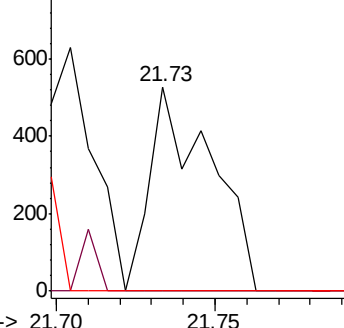
229 0.0 16.0 24.0#



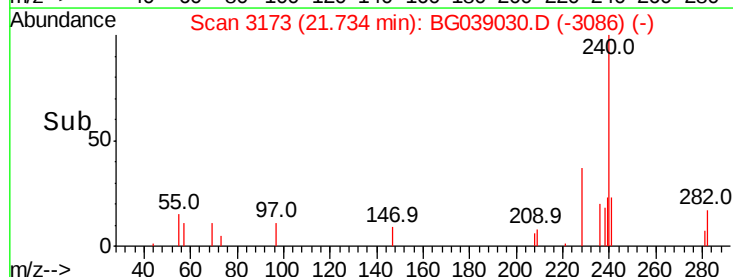
Abundance Ion 228.00 (227.70 to 228.70): E

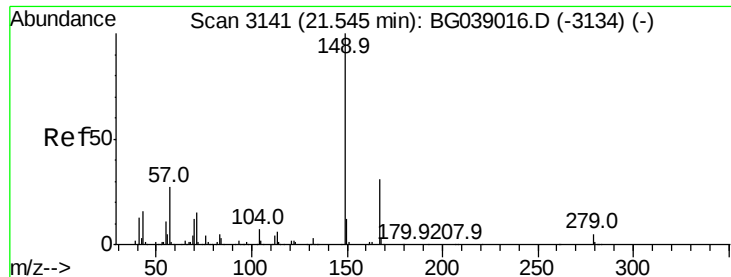
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.056 ng

RT: 21.54 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

Instrument :

BNA_G

ClientSampled :

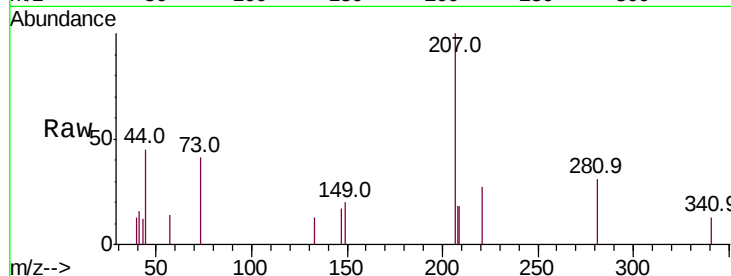
Tot Ion:149 Resp: 430

Ion Ratio Lower Upper

149 100

167 0.0 25.0 37.4#

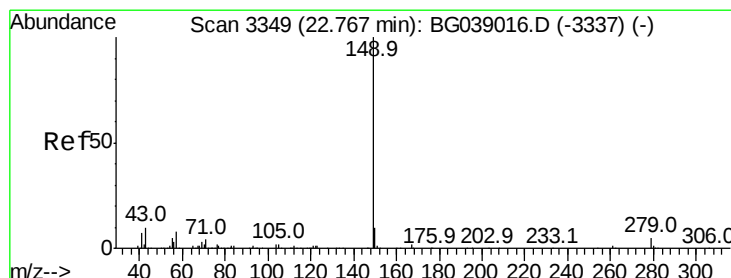
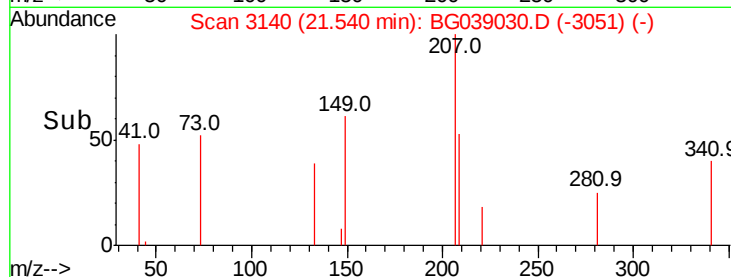
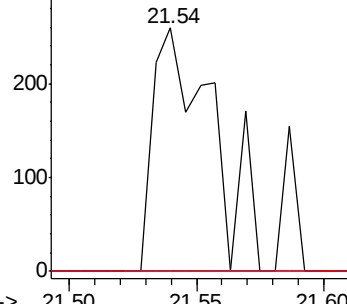
279 0.0 4.3 6.5#



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: 0.004 ng

RT: 22.76 min Scan# 3348

Delta R.T. -0.01 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

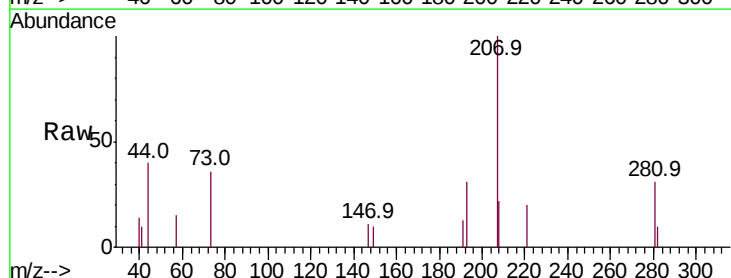
Tgt Ion:149 Resp: 57

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

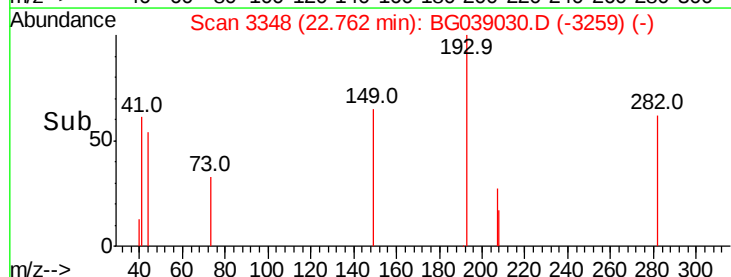
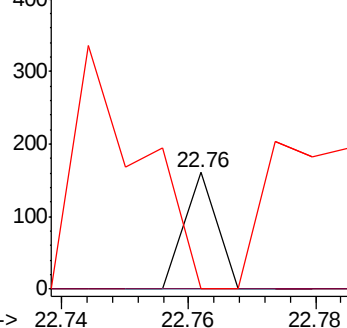
43 463.2 7.5 11.3#

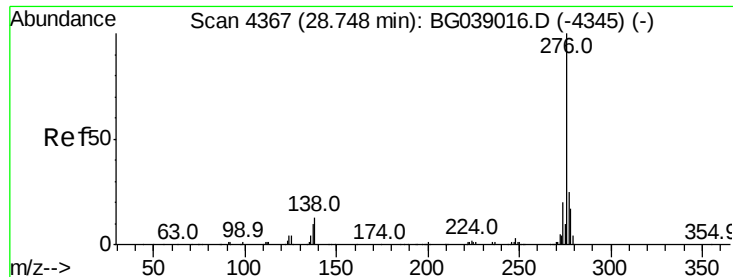


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC

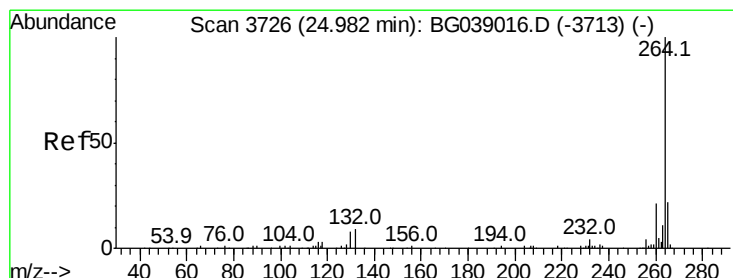
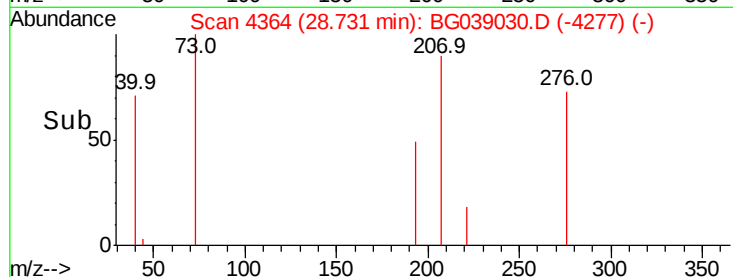
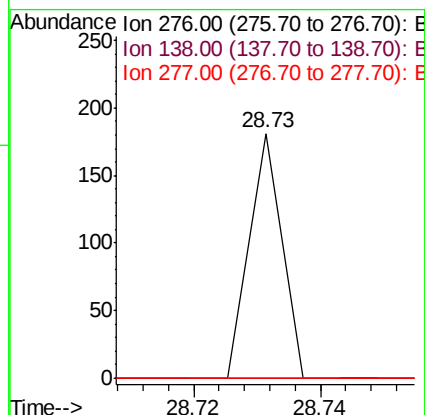
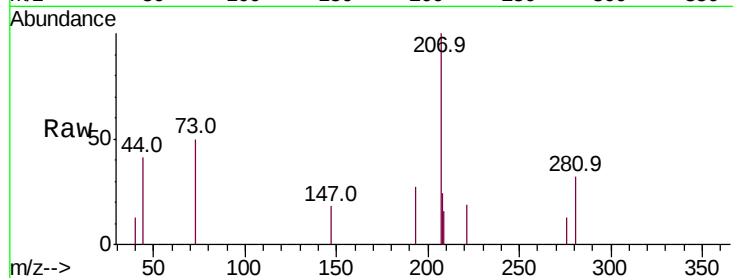




#86
Indeno(1,2,3-cd)pyrene
Concen: 0.004 ng
RT: 28.73 min Scan# 4364
Delta R.T. -0.02 min
Lab File: BG039030.D
Acq: 9 Jan 2019 21:07

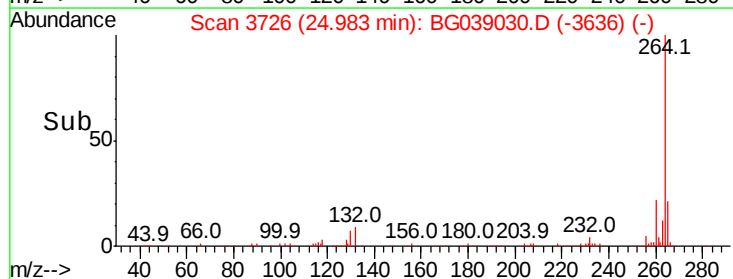
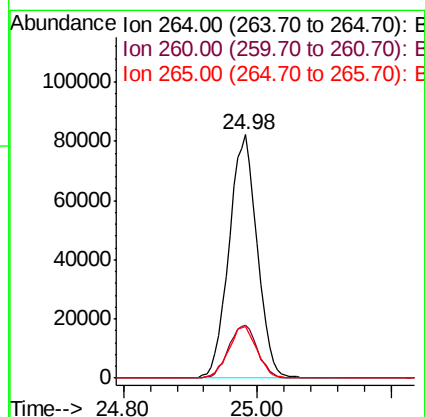
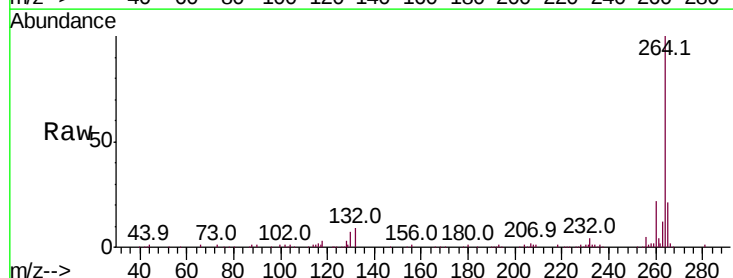
Instrument :
BNA_G
ClientSampled :

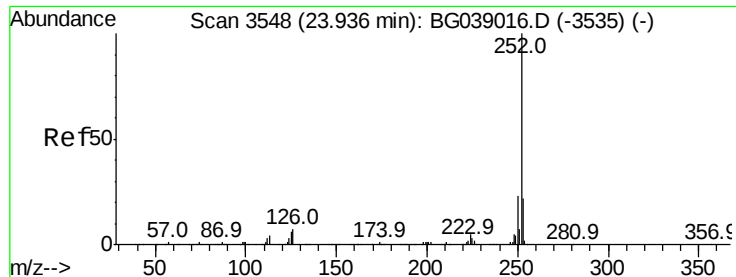
Tot Ion:276 Resp: 64
Ion Ratio Lower Upper
276 100
138 0.0 8.0 12.0#
277 0.0 20.3 30.5#



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.98 min Scan# 3726
Delta R.T. 0.00 min
Lab File: BG039030.D
Acq: 9 Jan 2019 21:07

Tgt Ion:264 Resp: 241738
Ion Ratio Lower Upper
264 100
260 22.0 17.0 25.6
265 21.0 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 0.049 ng

RT: 23.94 min Scan# 3548

Delta R.T. 0.00 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

Instrument :

BNA_G

ClientSampled :

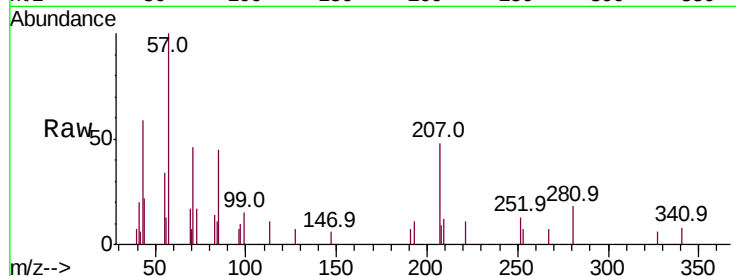
Tot Ion:252 Resp: 651

Ion Ratio Lower Upper

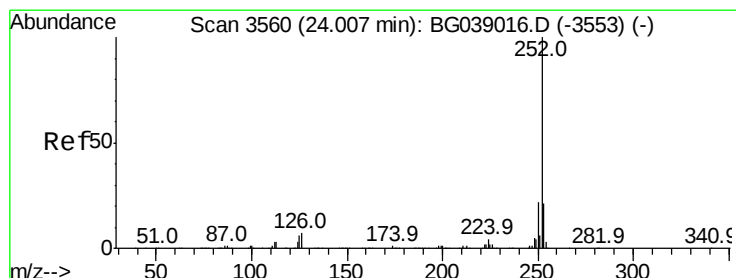
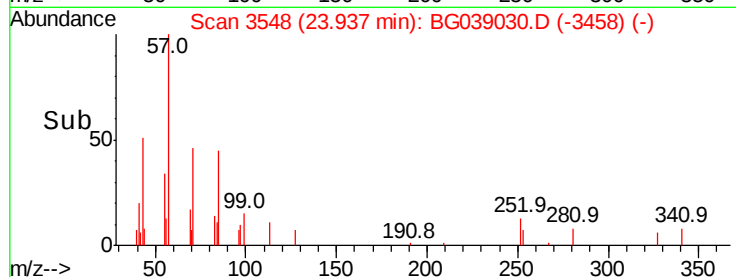
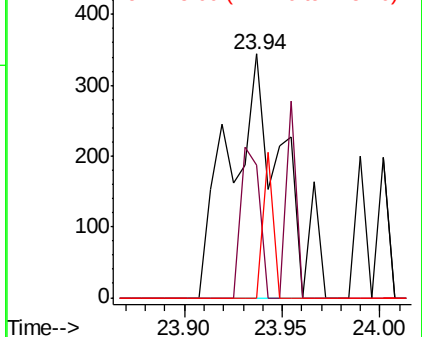
252 100

253 54.4 17.8 26.6#

125 0.0 4.9 7.3#



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: 0.011 ng

RT: 23.99 min Scan# 3557

Delta R.T. -0.02 min

Lab File: BG039030.D

Acq: 9 Jan 2019 21:07

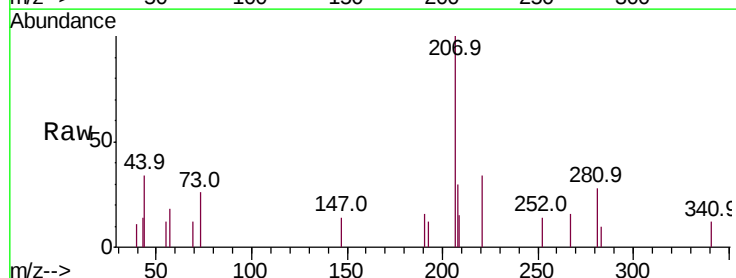
Tgt Ion:252 Resp: 140

Ion Ratio Lower Upper

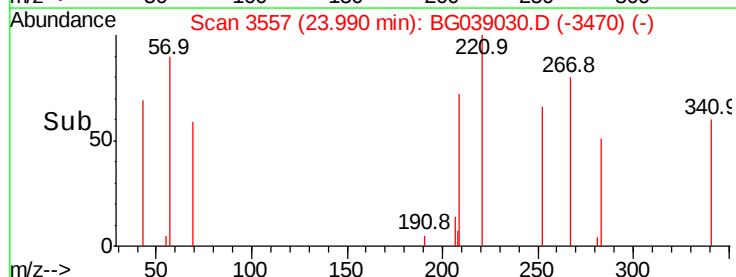
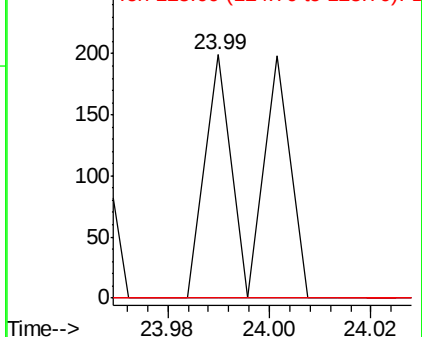
252 100

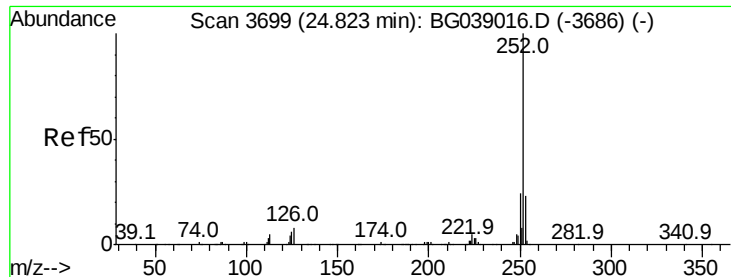
253 0.0 17.1 25.7#

125 0.0 4.6 7.0#



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

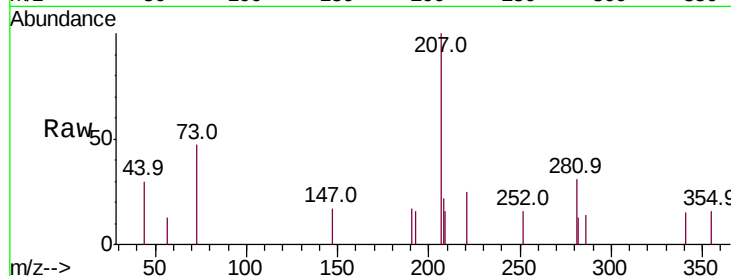




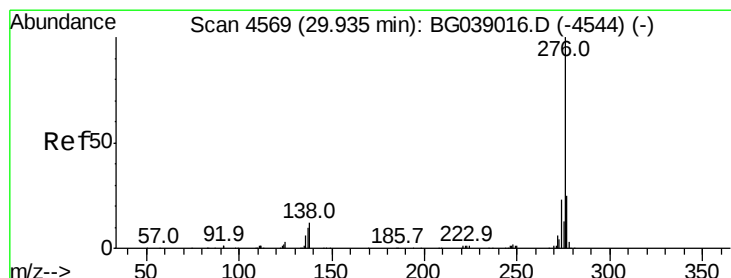
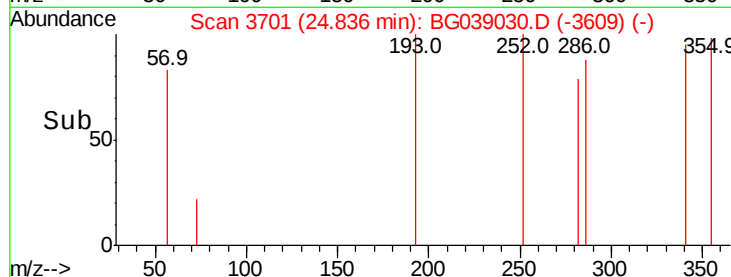
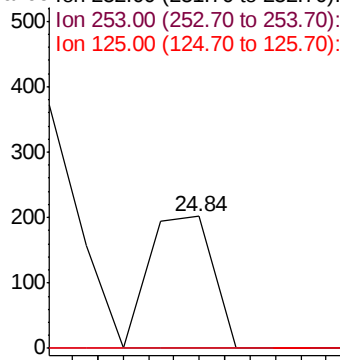
#90
Benzo(a)pyrene
Concen: 0.011 ng
RT: 24.84 min Scan# 3701
Delta R.T. 0.01 min
Lab File: BG039030.D
Acq: 9 Jan 2019 21:07

Instrument :
BNA_G
ClientSampled :

Tot Ion:252 Resp: 140
Ion Ratio Lower Upper
252 100
253 0.0 18.3 27.5#
125 0.0 4.9 7.3#

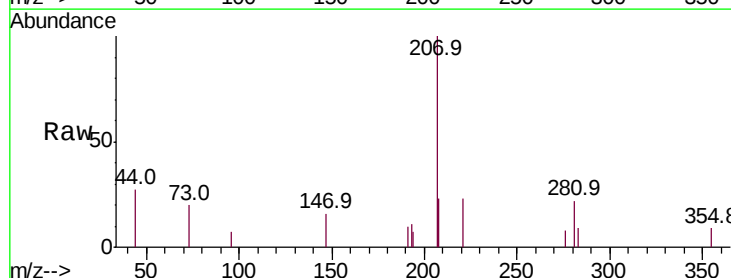


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 0.005 ng
RT: 29.95 min Scan# 4572
Delta R.T. 0.02 min
Lab File: BG039030.D
Acq: 9 Jan 2019 21:07

Tgt Ion:276 Resp: 61
Ion Ratio Lower Upper
276 100
277 0.0 20.3 30.5#
138 0.0 9.4 14.2#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

