

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010919\
 Data File : BG039028.D
 Acq On : 9 Jan 2019 19:49
 Operator : JU/SJ
 Sample : K1082-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 10 04:21:05 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	8.02	152	18489	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	77368	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	60103	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	168968	20.00	ng	0.00
76) Chrysene-d12	21.70	240	182991	20.00	ng	0.00
87) Perylene-d12	24.98	264	195281	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	137654	141.23	ng	0.00
7) Phenol-d6	7.19	99	197811	141.03	ng	0.00
23) Nitrobenzene-d5	9.21	82	115813	81.91	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	134339	133.34	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	342700	78.03	ng	0.00
79) Terphenyl-d14	20.02	244	765306	77.37	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	58	0.152	ng	# 1
4) n-Nitrosodimethylamine	3.79	42	72	0.154	ng	# 1
9) Benzaldehyde	7.19	77	344	0.425	ng	# 1
10) Phenol	7.21	94	2396	1.704	ng	# 61
15) Benzyl Alcohol	8.35	79	1664	1.575	ng	# 27
19) n-Nitroso-di-n-propylamine	9.21	70	15621	16.959	ng	# 67
24) Nitrobenzene	9.21	77	350	0.245	ng	# 38
25) Isophorone	9.35	82	141	0.058	ng	# 62
31) Naphthalene	10.90	128	1195	0.308	ng	# 79
33) 4-Chloroaniline	10.90	127	54	0.031	ng	# 46
37) 2-Methylnaphthalene	12.52	142	436	0.150	ng	# 14
38) 1-Methylnaphthalene	12.73	142	174	0.062	ng	# 7
46) 1,1'-Biphenyl	13.50	154	735	0.154	ng	# 92
48) 2-Nitroaniline	14.11	65	722	0.669	ng	# 1
49) Acenaphthylene	14.40	152	61	0.011	ng	# 59
50) Dimethylphthalate	14.12	163	88099	17.346	ng	# 99
51) 2,6-Dinitrotoluene	14.11	165	914	0.805	ng	# 21
52) Acenaphthene	14.73	154	2861	0.822	ng	# 94
55) Dibenzofuran	15.08	168	1915	0.312	ng	# 85
56) 4-Nitrophenol	15.06	139	810	0.977	ng	# 1
57) 2,4-Dinitrotoluene	14.67	165	7687	4.719	ng	# 26
58) Fluorene	15.72	166	2191	0.474	ng	# 97
63) Azobenzene	16.16	77	609	0.149	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.16	198	258	0.206	ng	# 80
66) n-Nitrosodiphenylamine	16.16	169	3996	0.798	ng	# 50
67) 4-Bromophenyl-phenylether	16.16	248	9059	4.171	ng	# 1
71) Phenanthrene	17.46	178	10514	1.177	ng	# 98
72) Anthracene	17.46	178	10514	1.191	ng	# 96
73) Carbazole	17.84	167	1507	0.173	ng	# 85
74) Di-n-butylphthalate	18.35	149	55	0.006	ng	# 77
75) Fluoranthene	19.47	202	29317	2.648	ng	# 96
77) Benzidine	20.02	184	12381	2.212	ng	# 91
78) Pvrene	19.83	202	23880	2.048	ng	# 93
80) Butylbenzylphthalate	20.67	149	59	0.013	ng	# 27

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Benzo(a)anthracene	21.74	228	16663	1.496	nq	93
83) Chrysene	21.74	228	16663	1.573	nq	96
84) Bis(2-ethylhexyl)phthalate	21.54	149	626	0.102	nq	# 93
85) Di-n-octyl phthalate	22.71	149	54	0.005	nq	# 1
86) Indeno(1,2,3-cd)pyrene	28.73	276	1385	0.109	nq	# 69
88) Benzo(b)fluoranthene	23.93	252	9664	0.897	nq	# 90
89) Benzo(k)fluoranthene	23.99	252	3452	0.324	nq	# 83
90) Benzo(a)pyrene	24.82	252	3240	0.311	nq	# 74
91) Dibenzo(a,h)anthracene	28.79	278	66	0.006	nq	# 58
92) Benzo(a,h,i)perylene	29.92	276	2037	0.199	nq	# 56

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

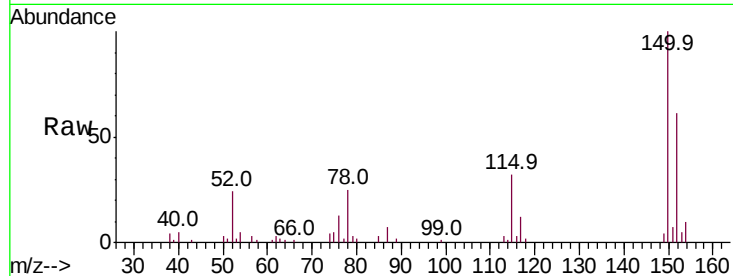


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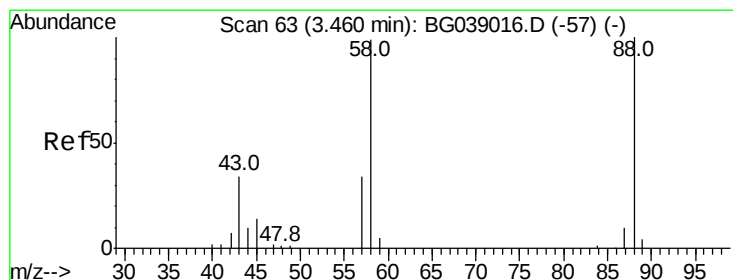
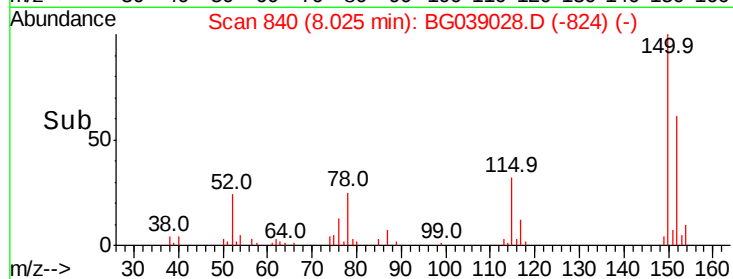
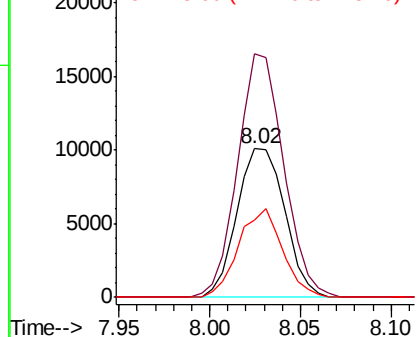
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG039028.D
Acq: 9 Jan 2019 19:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 18489
Ion Ratio Lower Upper
152 100
150 164.0 124.7 187.1
115 52.0 46.5 69.7



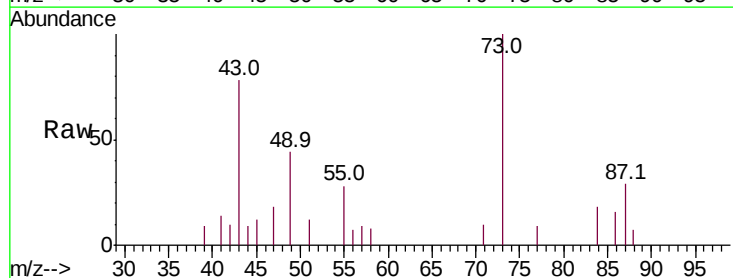
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



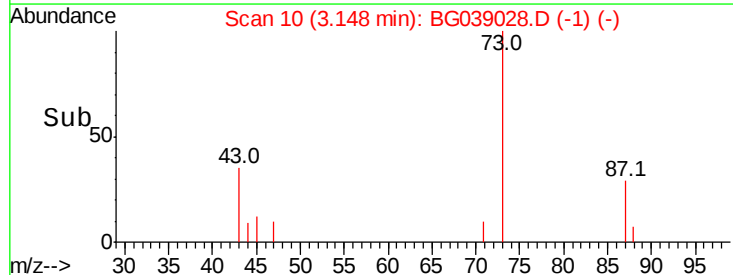
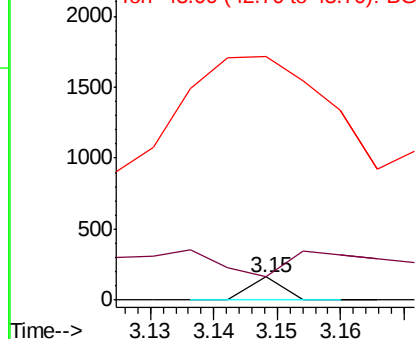
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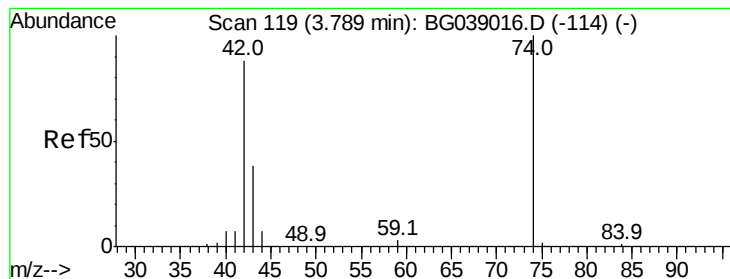
1,4-Dioxane
Concen: 0.152 ng
RT: 3.15 min Scan# 10
Delta R.T. -0.31 min
Lab File: BG039028.D
Acq: 9 Jan 2019 19:49

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
58 329.3 72.4 108.6#
43 4341.4 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



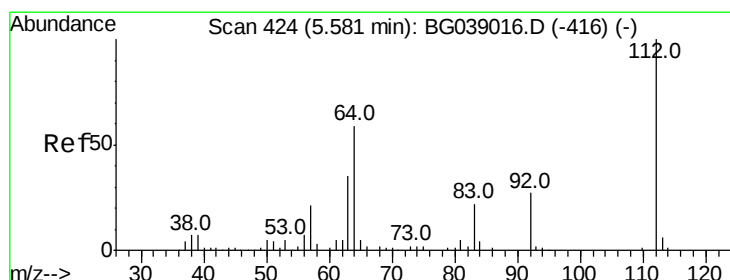
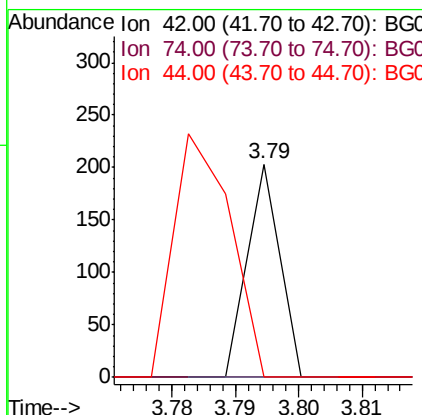
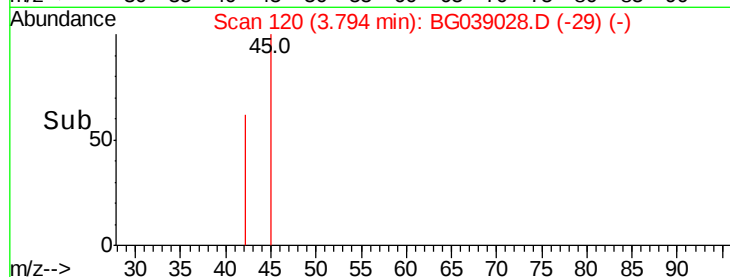
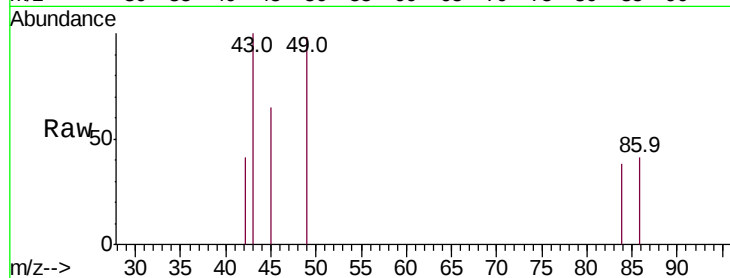


#4

n-Nitrosodimethylamine
 Concen: 0.154 ng
 RT: 3.79 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

Instrument :
 BNA_G
 ClientSampleId :

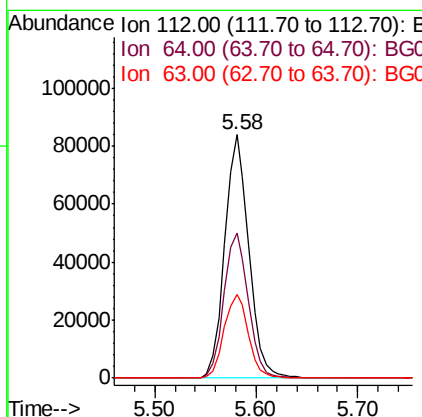
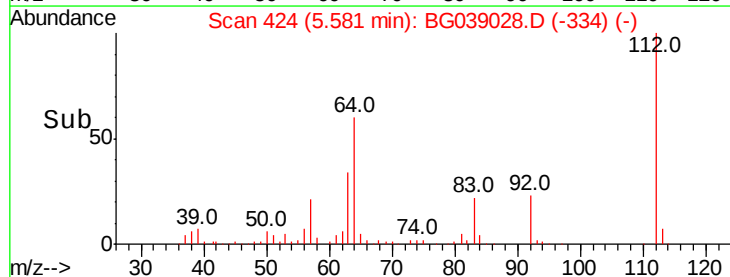
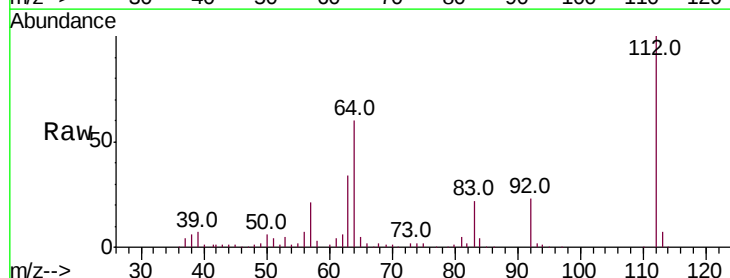
Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	90.7	136.1#
44	0.0	6.5	9.7#

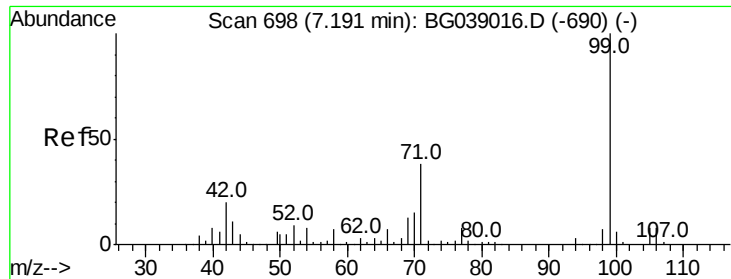


#5

2-Fluorophenol
 Concen: 141.234 ng
 RT: 5.58 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.0	70.6
63	34.2	28.0	42.0





#7

Phenol-d6

Concen: 141.026 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

Instrument :

BNA_G

ClientSampled :

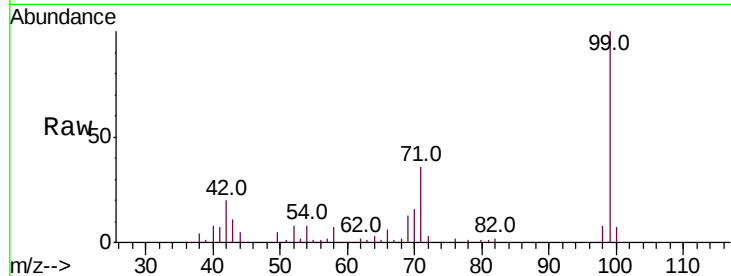
Tot Ion: 99 Resp: 197811

Ion Ratio Lower Upper

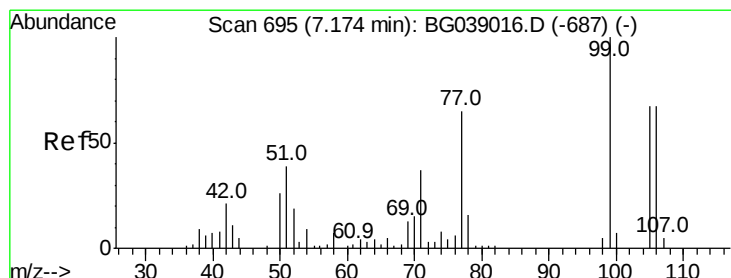
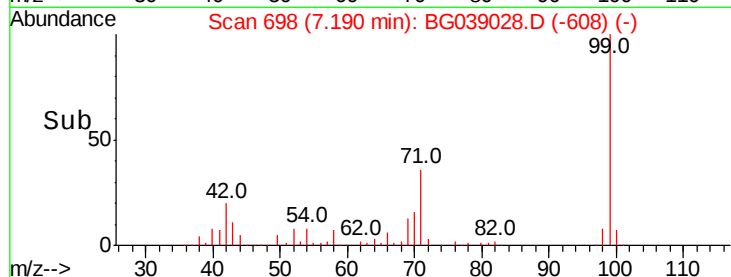
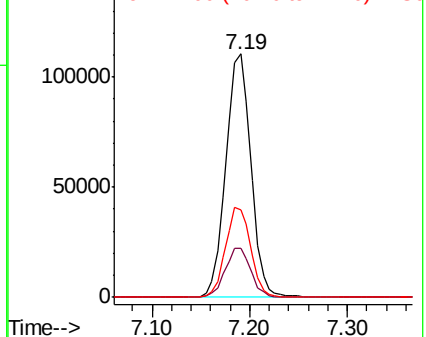
99 100

42 20.3 15.8 23.6

71 35.8 30.2 45.4



Abundance Ion 99.00 (98.70 to 99.70): BGC
150000
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#9

Benzaldehyde

Concen: 0.425 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.02 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

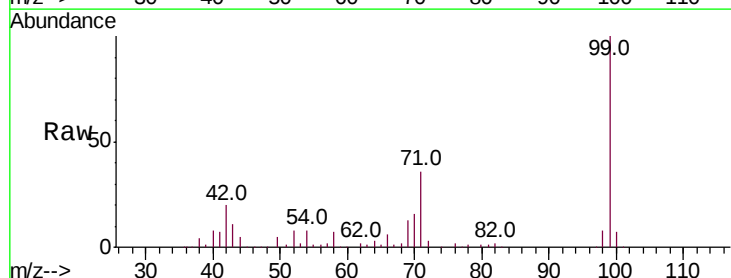
Tgt Ion: 77 Resp: 344

Ion Ratio Lower Upper

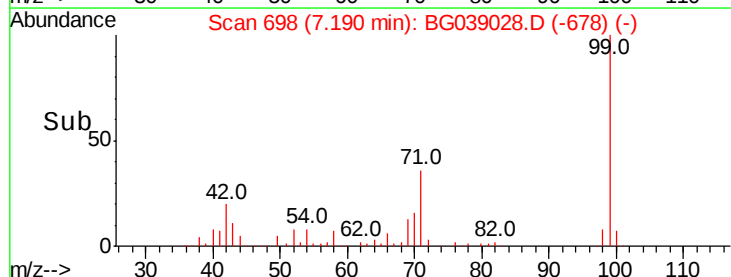
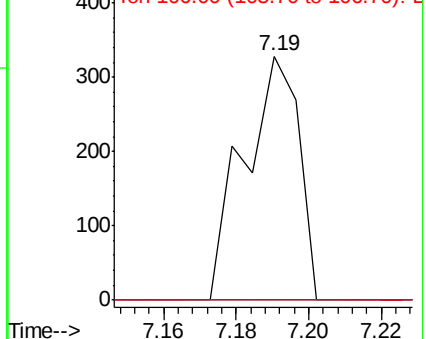
77 100

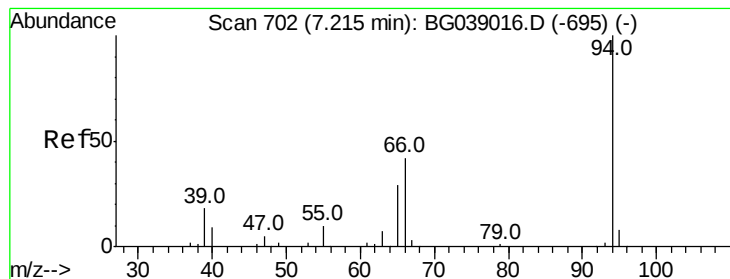
105 0.0 82.4 122.4#

106 0.0 82.8 122.8#



Abundance Ion 77.00 (76.70 to 77.70): BGC
400
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 1.704 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.00 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

Instrument :

BNA_G

ClientSampleId :

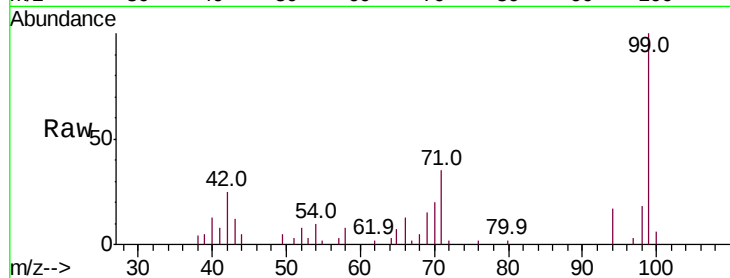
Tot Ion: 94 Resp: 2396

Ion Ratio Lower Upper

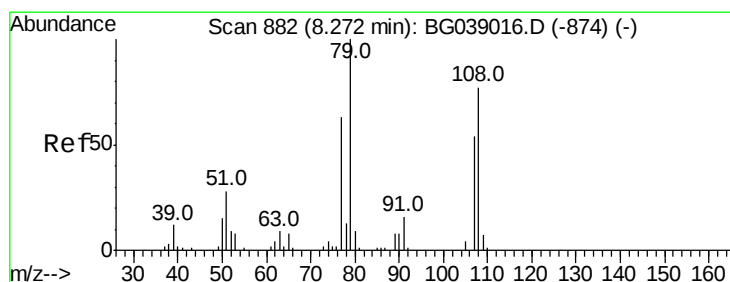
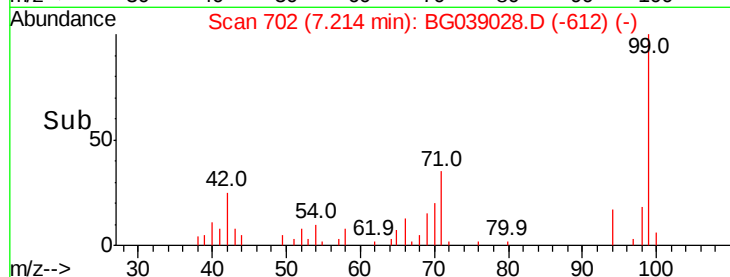
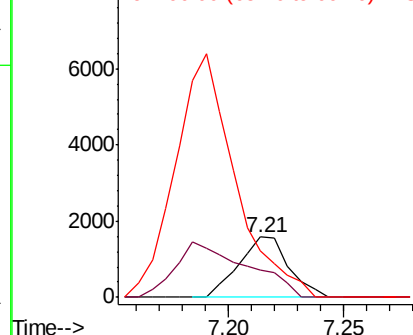
94 100

65 44.6 10.3 50.3

66 76.5 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: 1.575 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.08 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

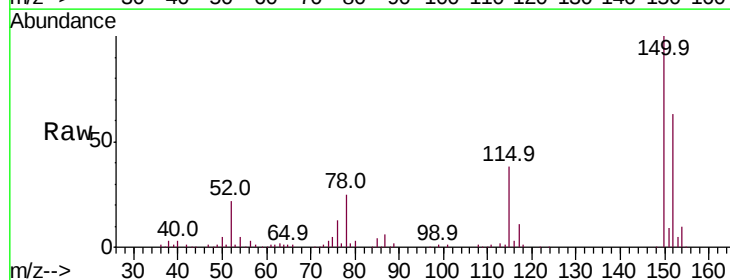
Tgt Ion: 79 Resp: 1664

Ion Ratio Lower Upper

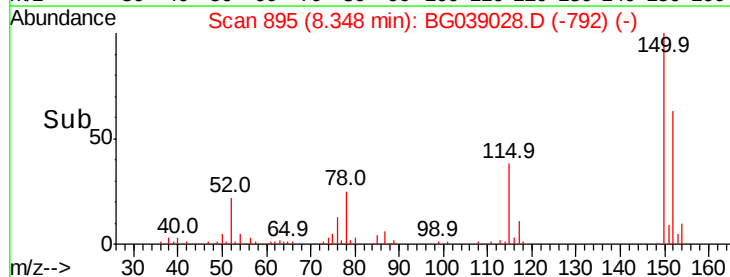
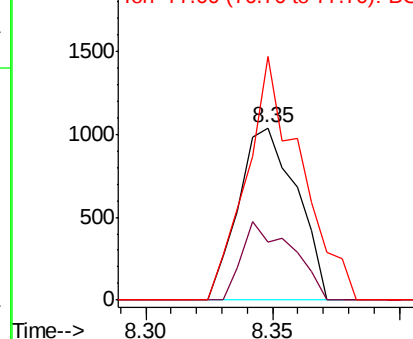
79 100

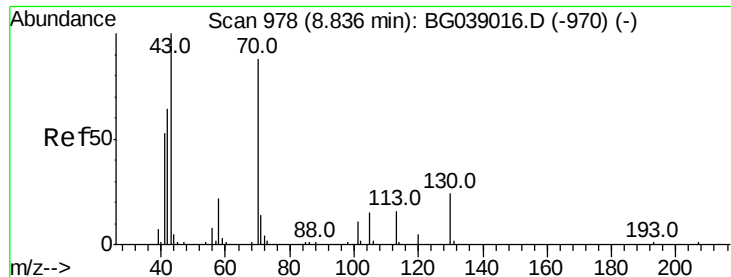
108 33.6 62.0 93.0#

77 141.3 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

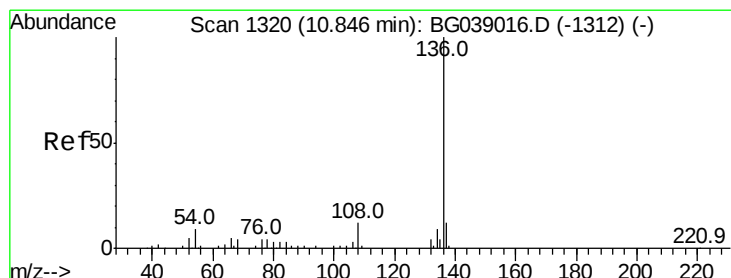
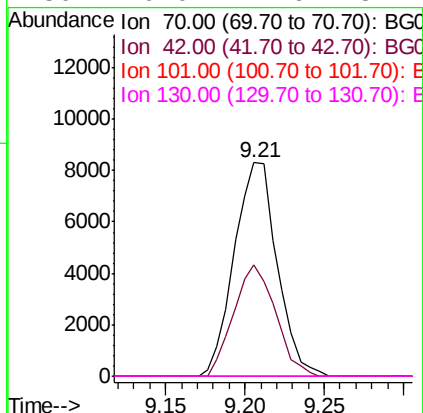
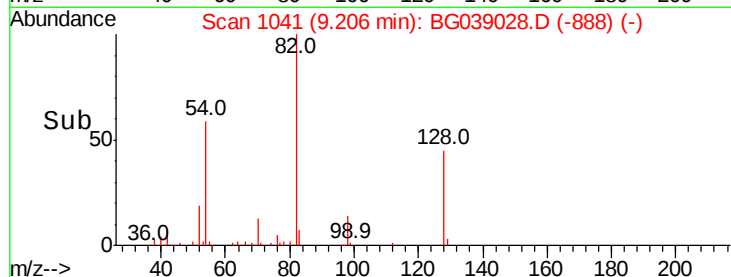
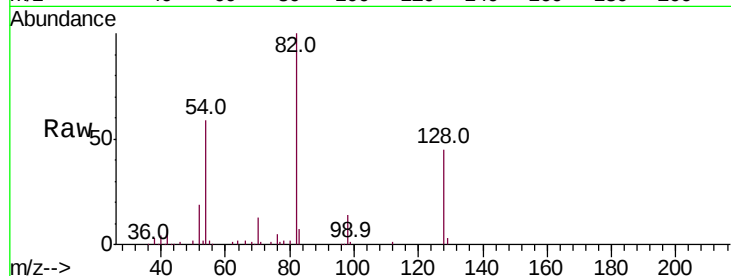




#19
n-Nitroso-di-n-propylamine
Concen: 16.959 ng
RT: 9.21 min Scan# 1041
Delta R.T. 0.37 min
Lab File: BG039028.D
Acq: 9 Jan 2019 19:49

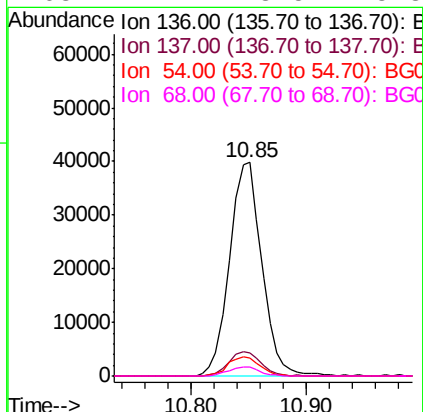
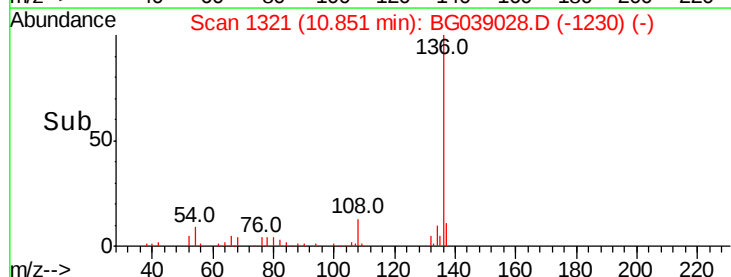
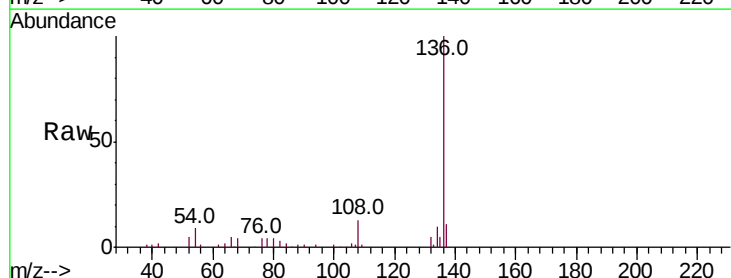
Instrument :
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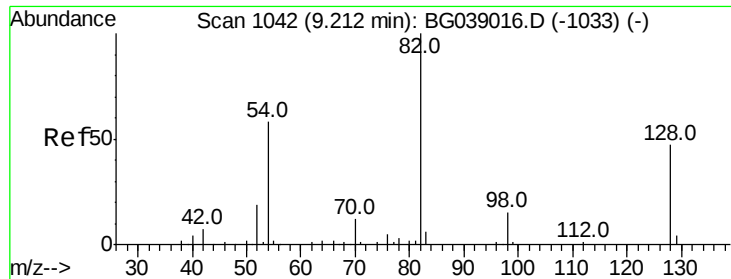
Tot Ion: 70 Resp: 15621
Ion Ratio Lower Upper
70 100
42 52.2 59.0 88.4#
101 0.0 10.4 15.6#
130 0.0 21.6 32.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. 0.01 min
Lab File: BG039028.D
Acq: 9 Jan 2019 19:49

Tgt Ion:136 Resp: 77368
Ion Ratio Lower Upper
136 100
137 10.9 9.4 14.2
54 8.5 7.2 10.8
68 4.1 3.5 5.3

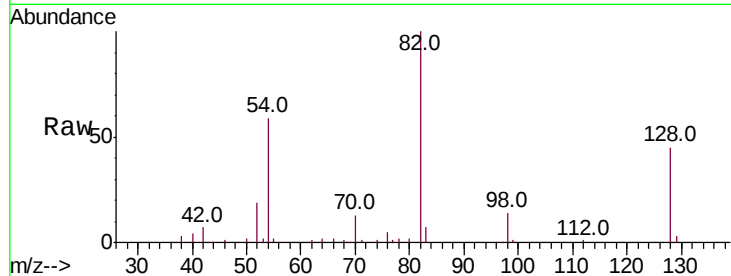




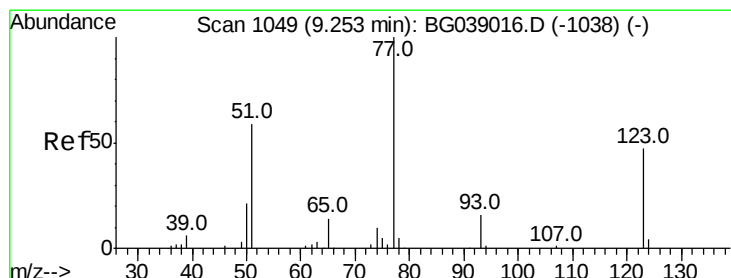
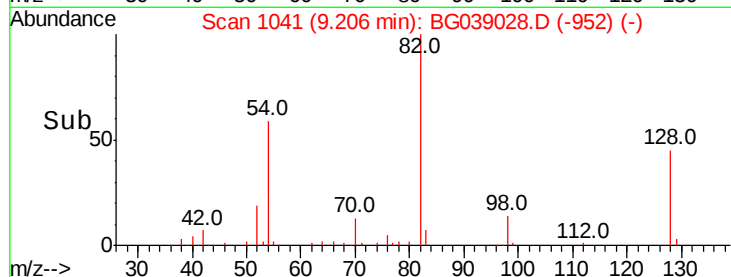
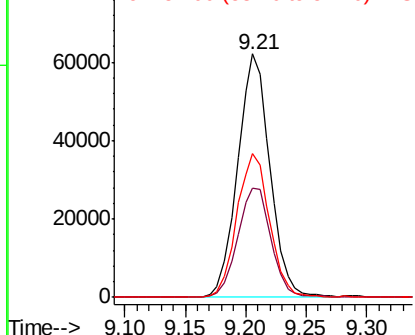
#23
 Nitrobenzene-d5
 Concen: 81.910 ng
 RT: 9.21 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 82 Resp: 115813
 Ion Ratio Lower Upper
 82 100
 128 45.1 37.3 55.9
 54 58.8 46.4 69.6

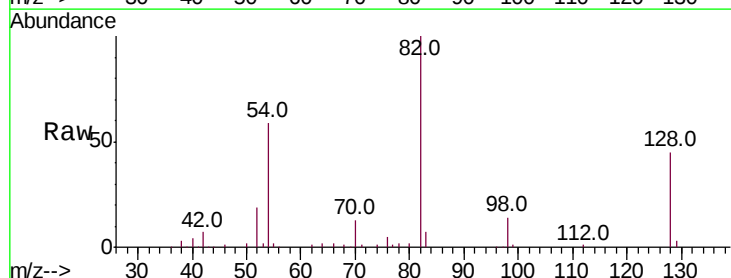


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

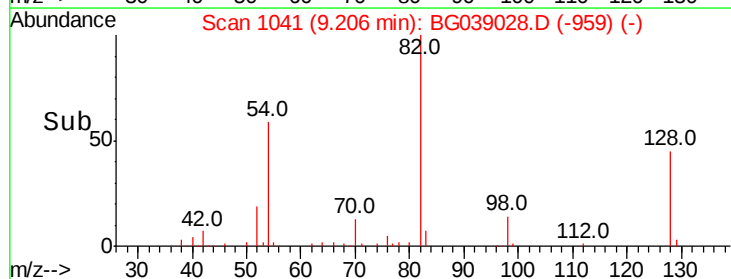
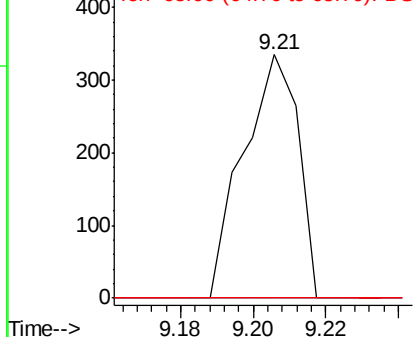


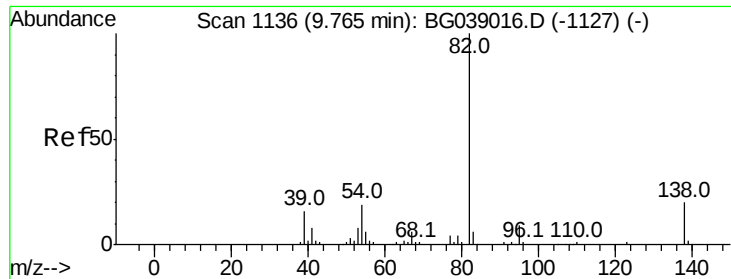
#24
 Nitrobenzene
 Concen: 0.245 ng
 RT: 9.21 min Scan# 1041
 Delta R.T. -0.05 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

Tgt Ion: 77 Resp: 350
 Ion Ratio Lower Upper
 77 100
 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





#25

Isophorone

Concen: 0.058 ng

RT: 9.35 min Scan# 1065

Delta R.T. -0.42 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

Instrument :

BNA_G

ClientSampled :

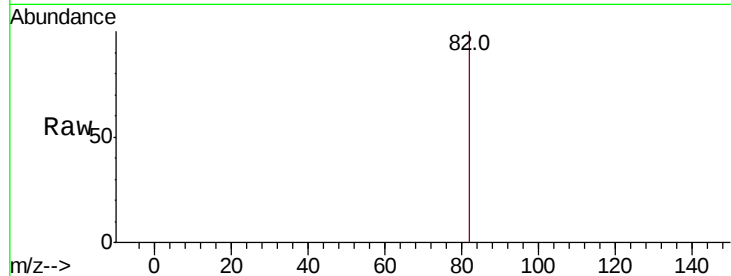
Tot Ion: 82 Resp: 141

Ion Ratio Lower Upper

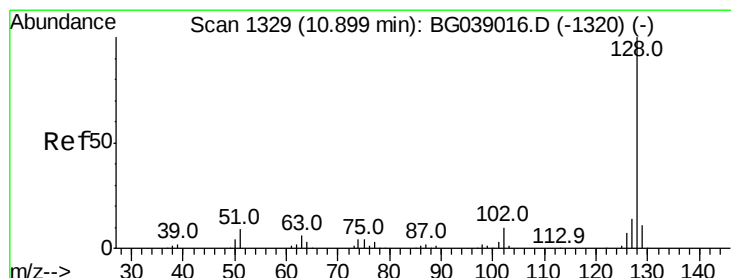
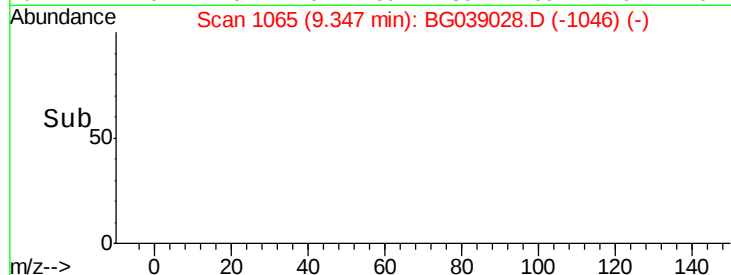
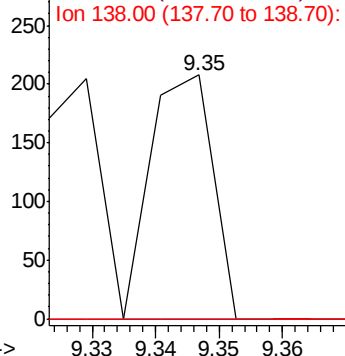
82 100

95 0.0 7.0 10.6#

138 0.0 16.2 24.4#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#31

Naphthalene

Concen: 0.308 ng

RT: 10.90 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

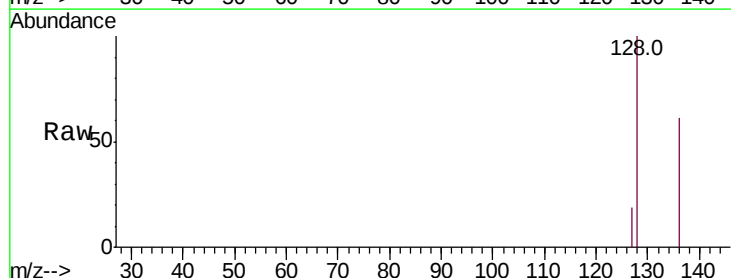
Tgt Ion: 128 Resp: 1195

Ion Ratio Lower Upper

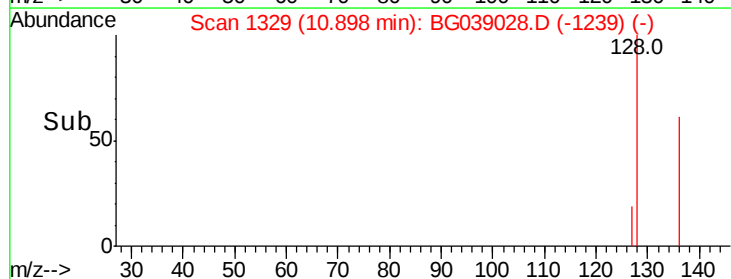
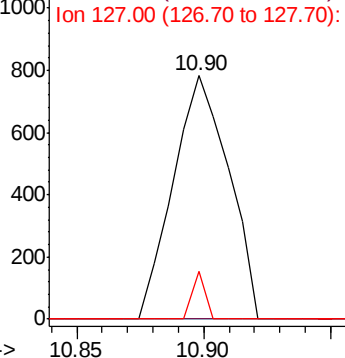
128 100

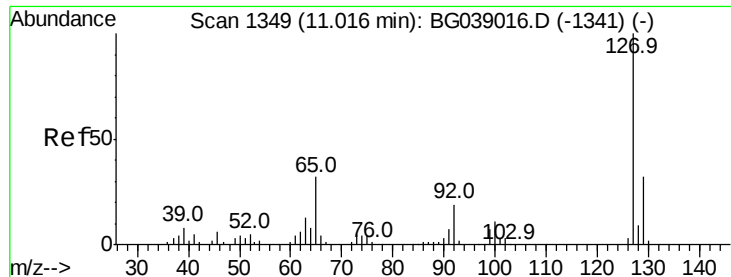
129 0.0 9.1 13.7#

127 19.4 11.2 16.8#



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

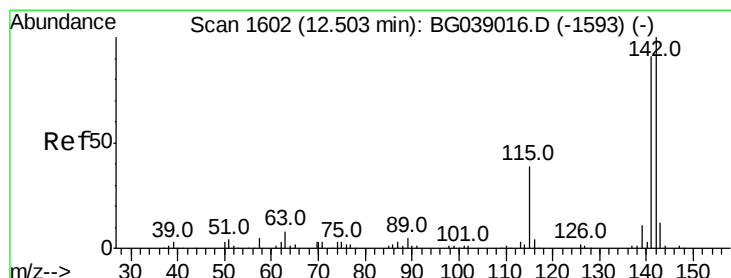
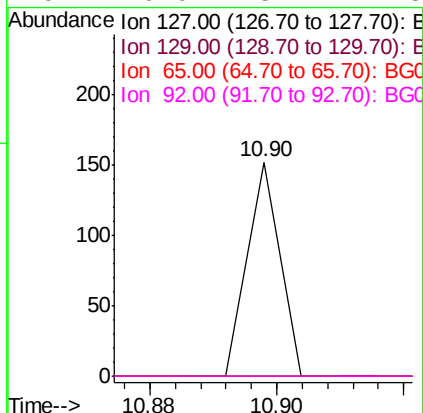
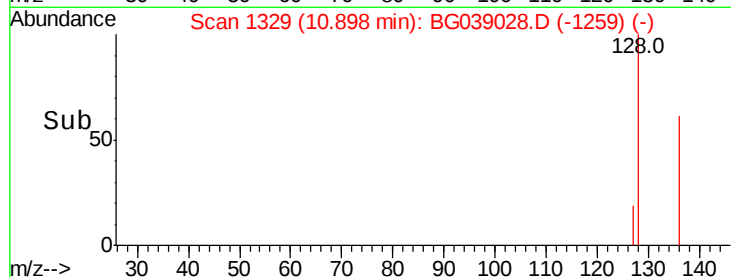
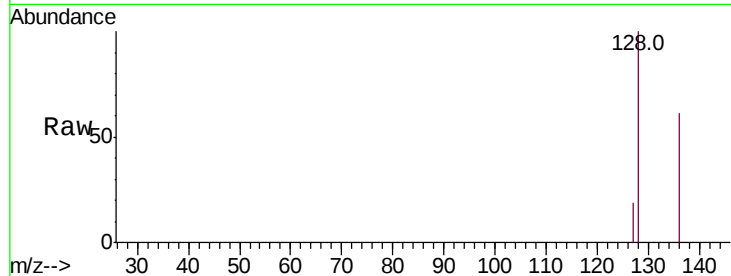




#33
 4-Chloroaniline
 Concen: 0.031 ng
 RT: 10.90 min Scan# 1329
 Delta R.T. -0.12 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

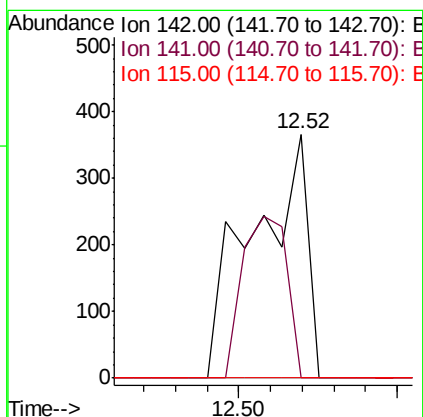
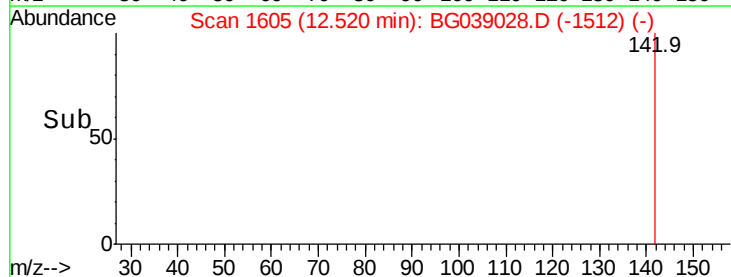
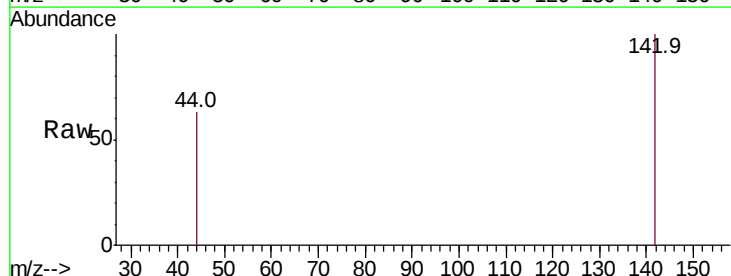
Instrument :
 BNA_G
 ClientSampleId :

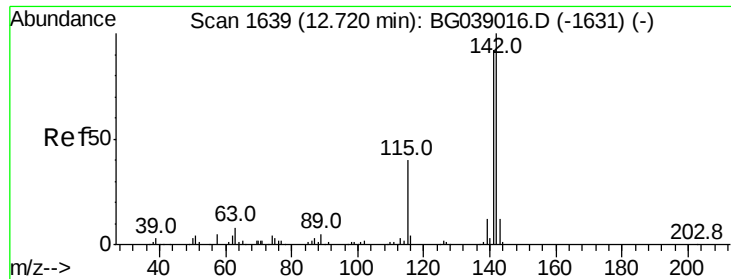
Tot Ion:127 Resp: 54
 Ion Ratio Lower Upper
 127 100
 129 0.0 25.4 38.0#
 65 0.0 25.4 38.0#
 92 0.0 15.2 22.8#



#37
 2-Methylnaphthalene
 Concen: 0.150 ng
 RT: 12.52 min Scan# 1605
 Delta R.T. 0.02 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

Tgt Ion:142 Resp: 436
 Ion Ratio Lower Upper
 142 100
 141 0.0 72.6 109.0#
 115 0.0 31.1 46.7#

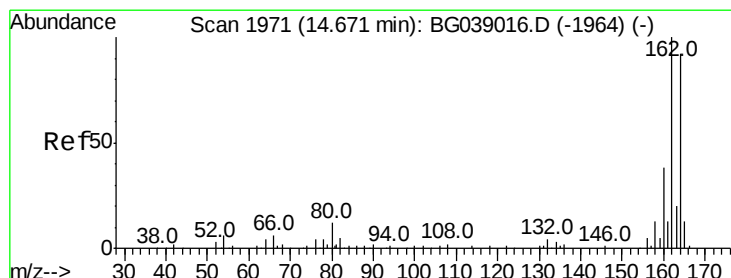
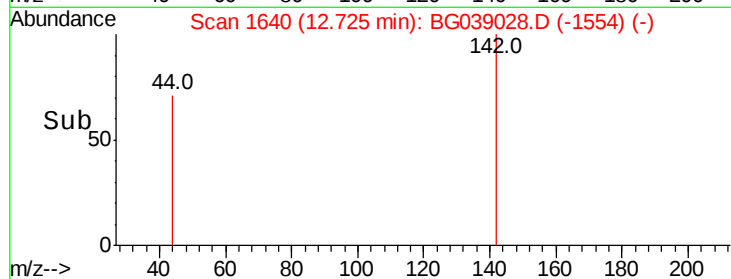
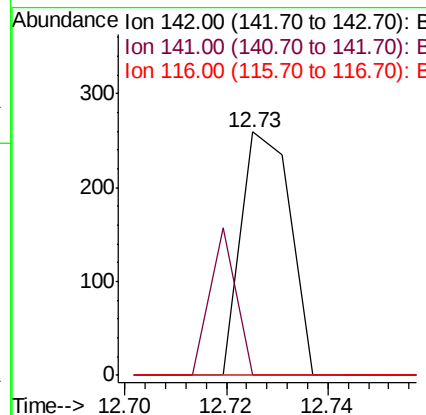
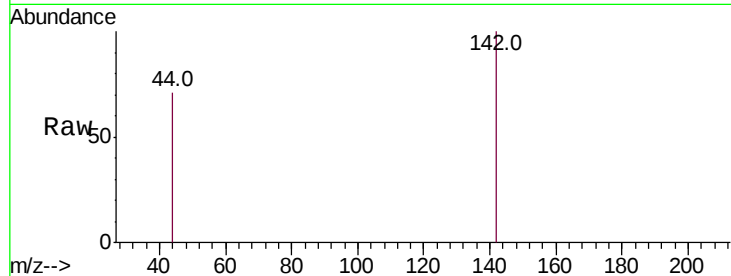




#38
1-Methylnaphthalene
Concen: 0.062 ng
RT: 12.73 min Scan# 1640
Delta R.T. 0.01 min
Lab File: BG039028.D
Acq: 9 Jan 2019 19:49

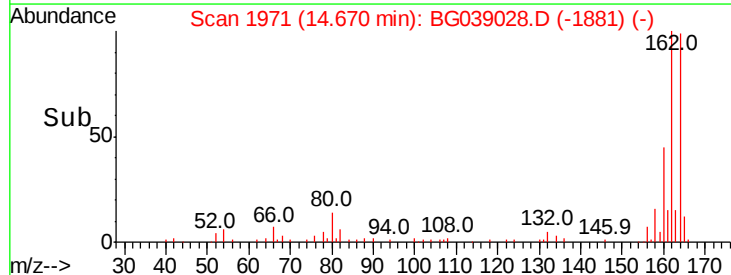
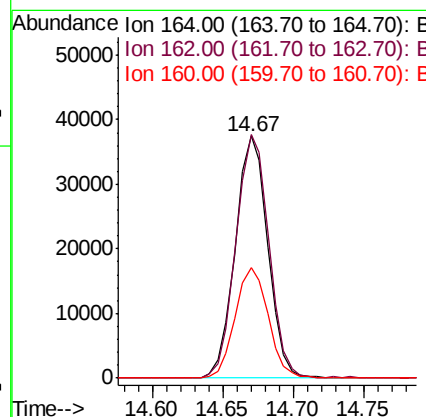
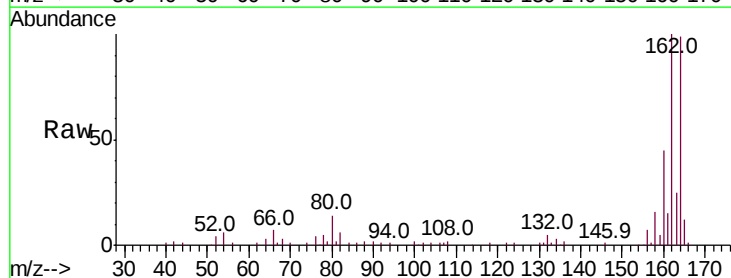
Instrument :
BNA_G
ClientSampleId :

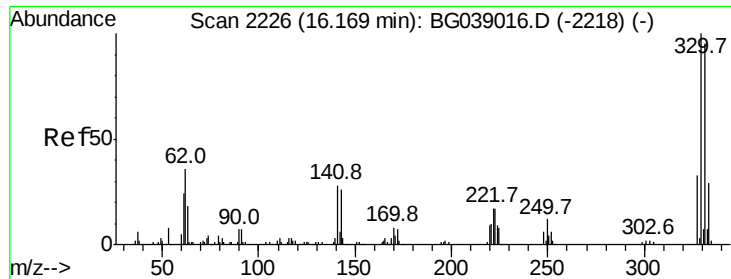
Tot Ion:142 Resp: 174
Ion Ratio Lower Upper
142 100
141 0.0 73.3 109.9#
116 0.0 3.1 4.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BG039028.D
Acq: 9 Jan 2019 19:49

Tgt Ion:164 Resp: 60103
Ion Ratio Lower Upper
164 100
162 100.5 87.2 130.8
160 45.4 33.3 49.9

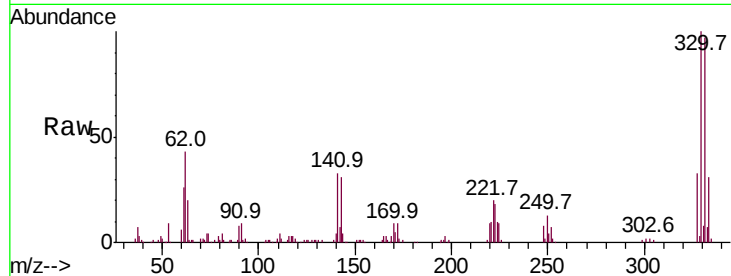




#42
 2,4,6-Tribromophenol
 Concen: 133.340 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.01 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	75.7	113.5
141	31.7	24.9	37.3

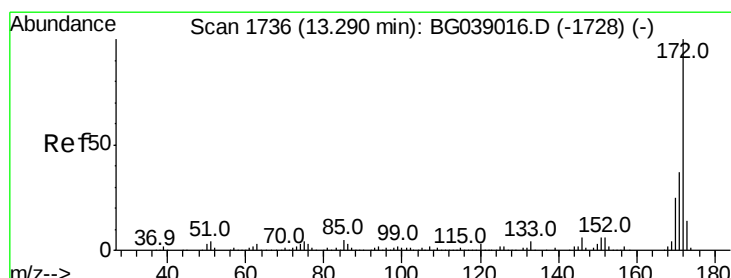
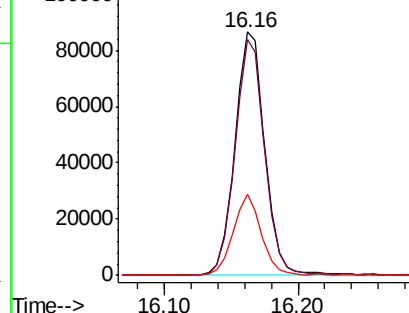
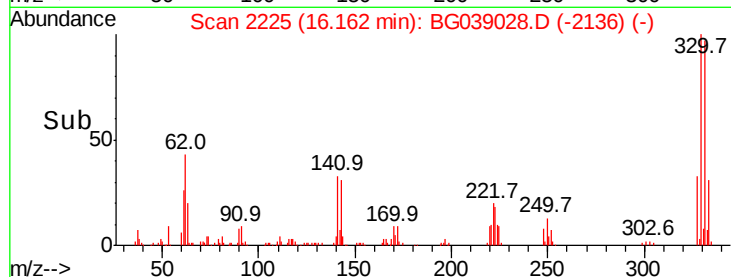


Abundance

Ion 329.80 (329.50 to 330.50): E

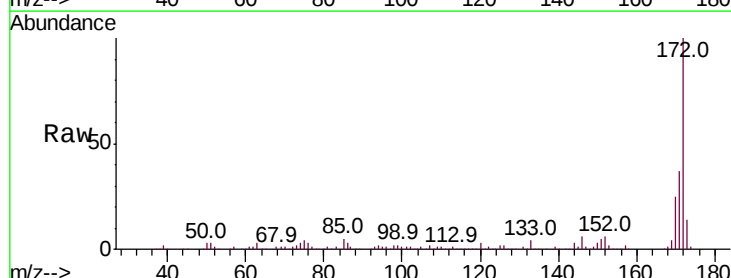
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 78.034 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.6	20.1	30.1

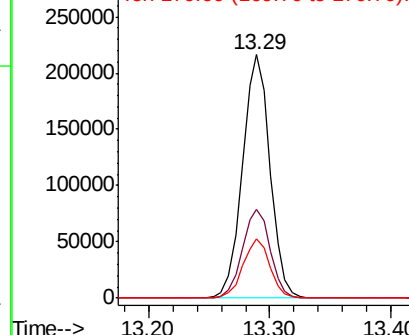
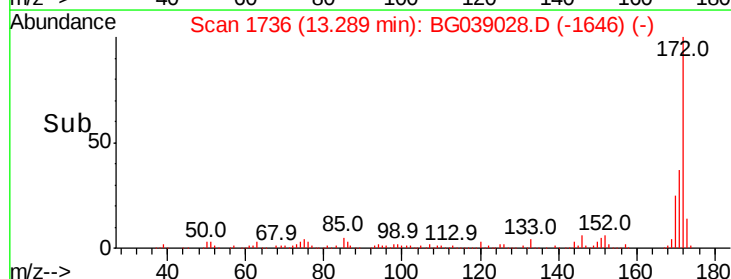


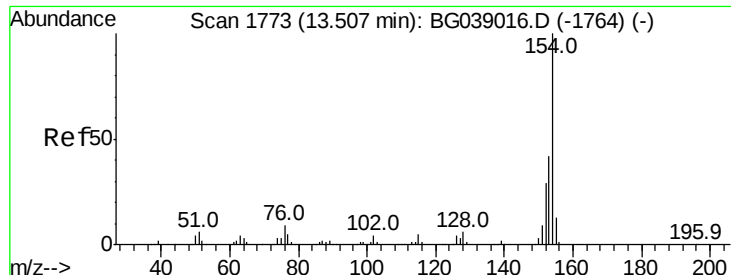
Abundance

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: 0.154 ng

RT: 13.50 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

Instrument :

BNA_G

ClientSampleId :

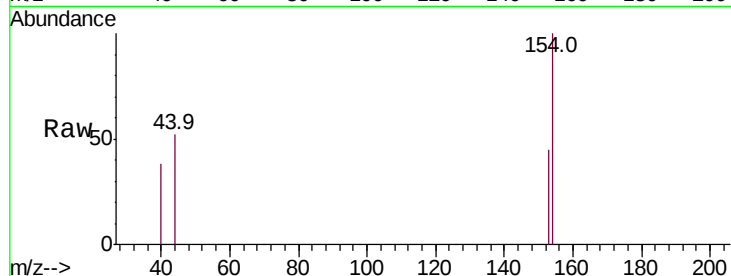
Tot Ion:154 Resp: 735

Ion Ratio Lower Upper

154 100

153 45.0 22.4 62.4

76 0.0 0.0 29.4

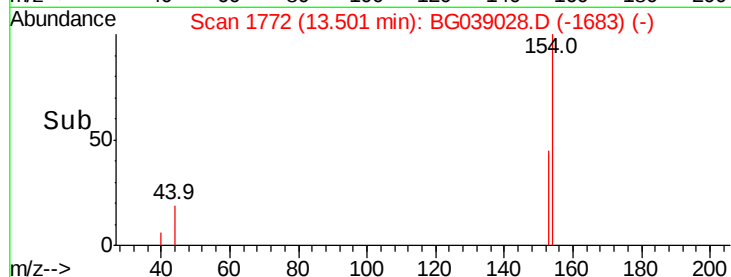


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC

Time-->



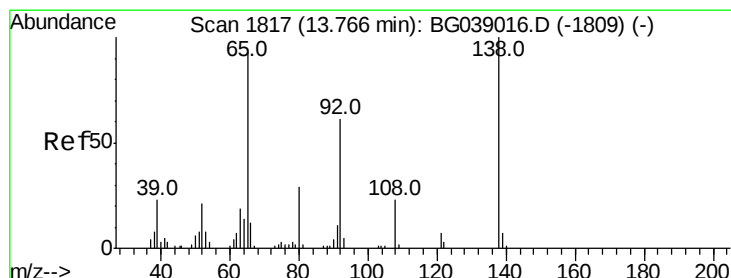
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC

Time-->



#48

2-Nitroaniline

Concen: 0.669 ng

RT: 14.11 min Scan# 1876

Delta R.T. 0.35 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

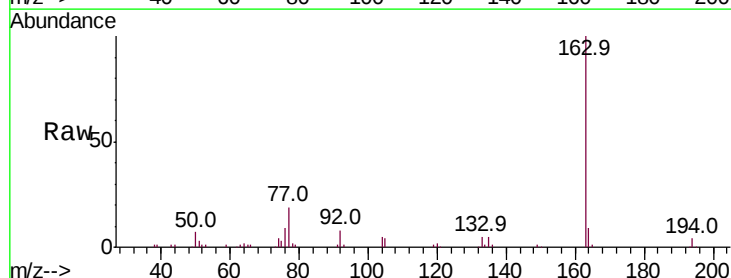
Tgt Ion: 65 Resp: 722

Ion Ratio Lower Upper

65 100

92 732.3 52.2 78.4#

138 0.0 86.0 129.0#

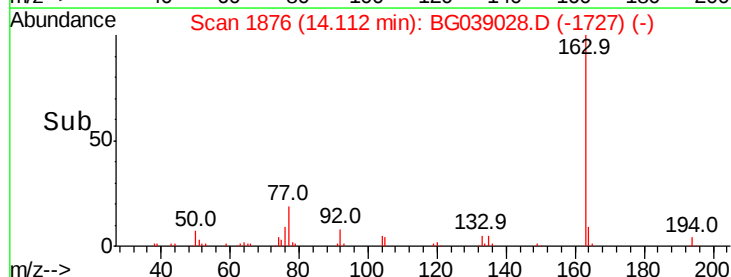


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): BGC

Time-->



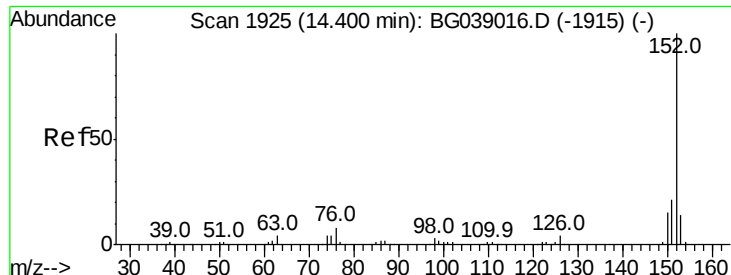
Abundance

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): BGC

Time-->



#49

Acenaphthylene

Concen: 0.011 ng

RT: 14.40 min Scan# 1925

Delta R.T. -0.00 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

Instrument :

BNA_G

ClientSampleId :

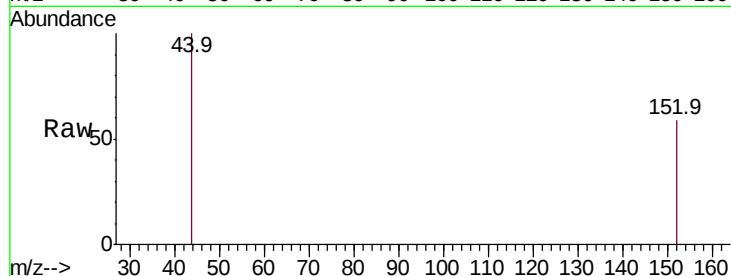
Tot Ion:152 Resp: 61

Ion Ratio Lower Upper

152 100

151 0.0 17.0 25.4#

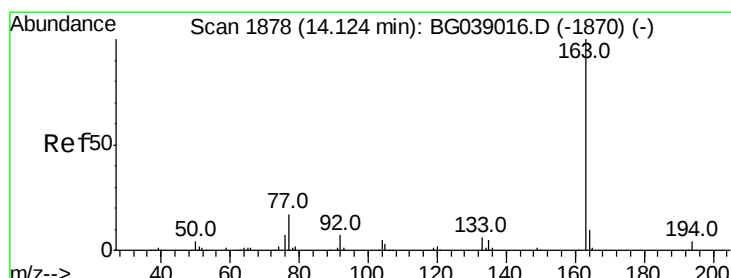
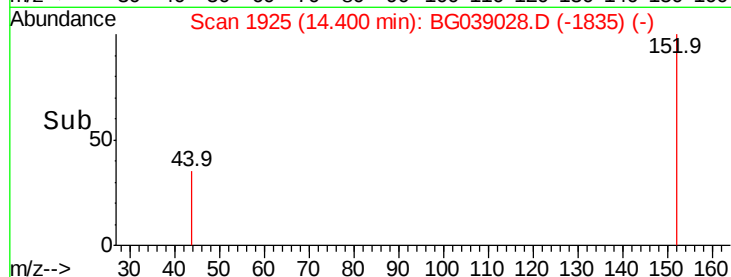
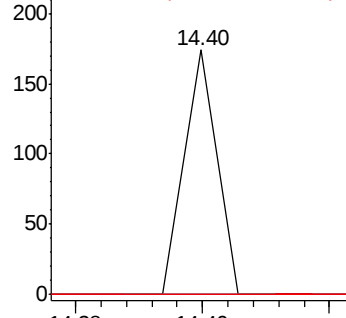
153 0.0 11.2 16.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 17.346 ng

RT: 14.12 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

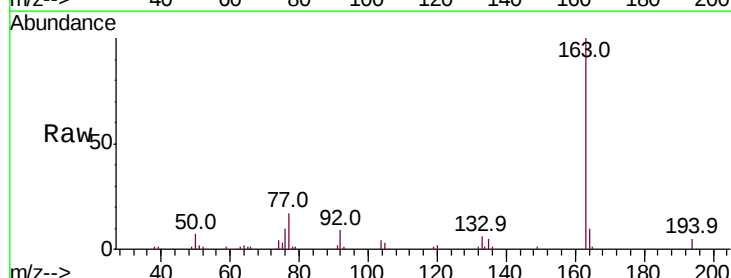
Tgt Ion:163 Resp: 88099

Ion Ratio Lower Upper

163 100

194 5.0 3.6 5.4

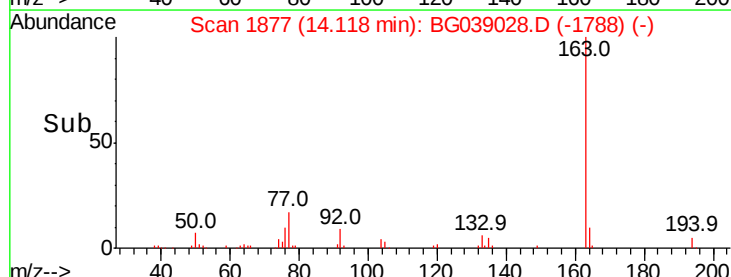
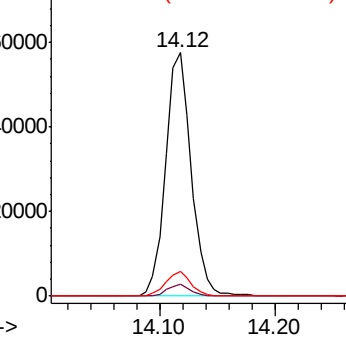
164 10.1 8.2 12.2

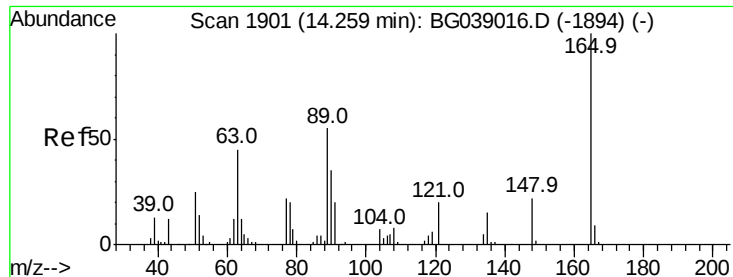


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

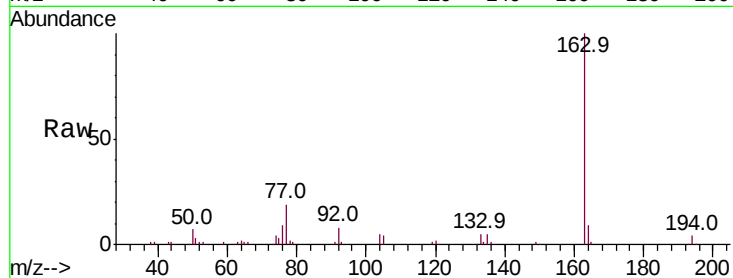




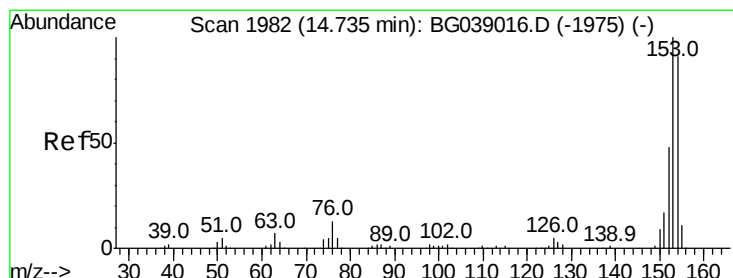
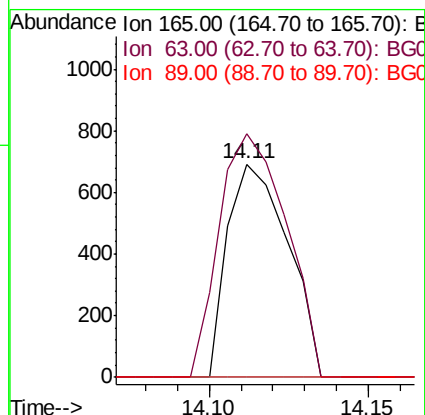
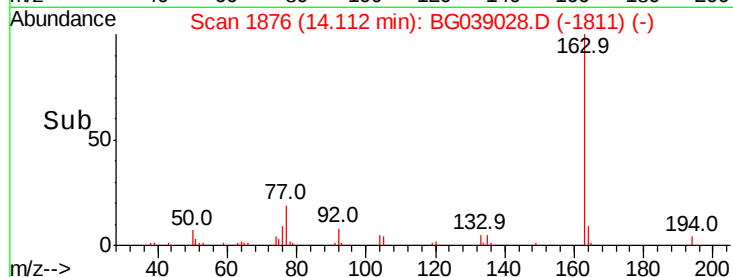
#51
 2,6-Dinitrotoluene
 Concen: 0.805 ng
 RT: 14.11 min Scan# 1876
 Delta R.T. -0.15 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 914
 Ion Ratio Lower Upper
 165 100
 63 114.3 43.6 65.4#
 89 0.0 43.7 65.5#

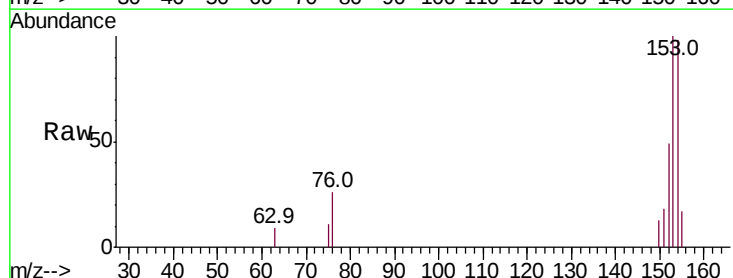


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

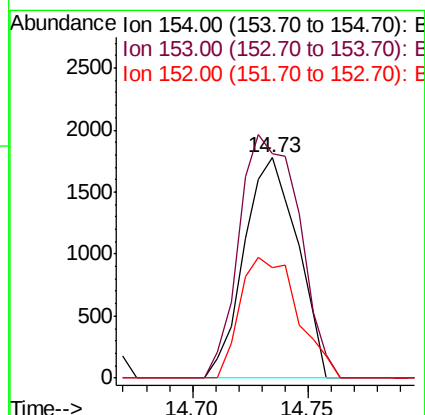
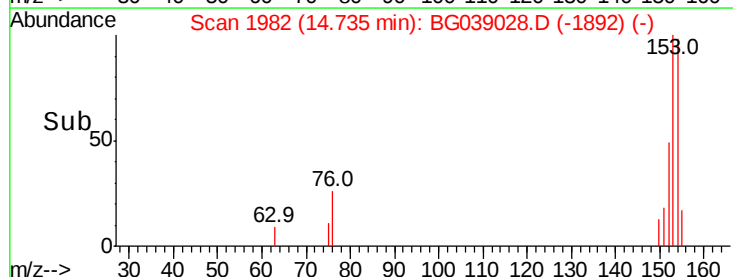


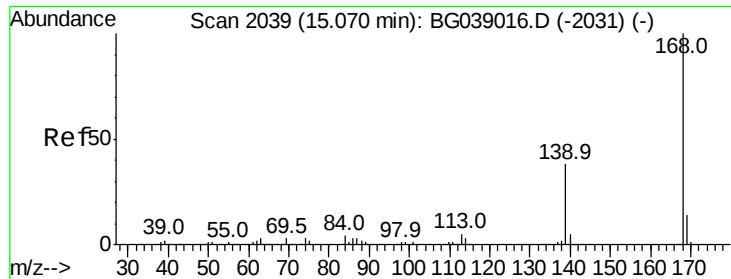
#52
 Acenaphthene
 Concen: 0.822 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

Tgt Ion:154 Resp: 2861
 Ion Ratio Lower Upper
 154 100
 153 102.1 87.9 131.9
 152 49.9 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

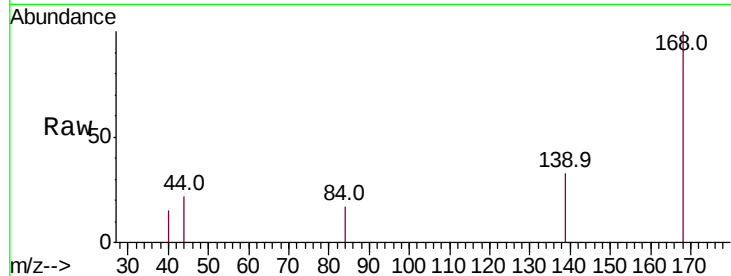




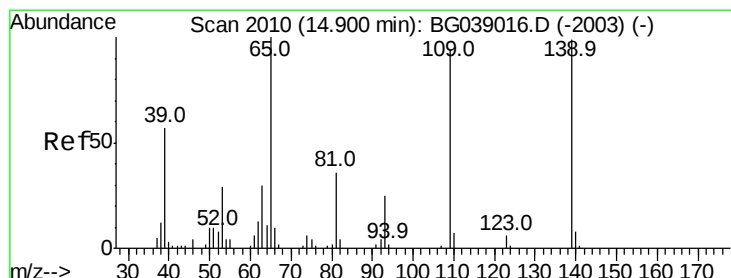
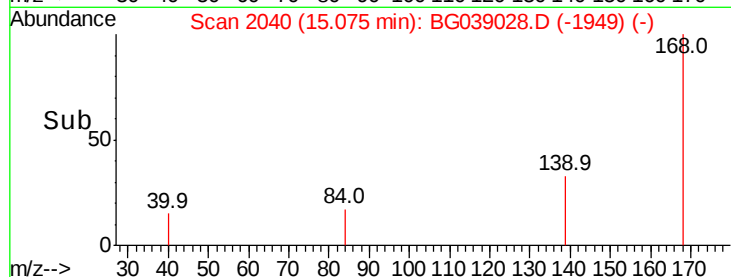
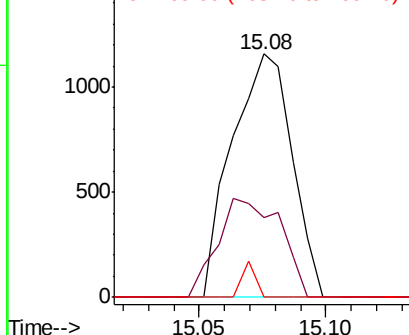
#55
Dibenzofuran
Concen: 0.312 ng
RT: 15.08 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BG039028.D
Acq: 9 Jan 2019 19:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:168 Resp: 1915
Ion Ratio Lower Upper
168 100
139 32.8 30.1 45.1
169 0.0 10.9 16.3#

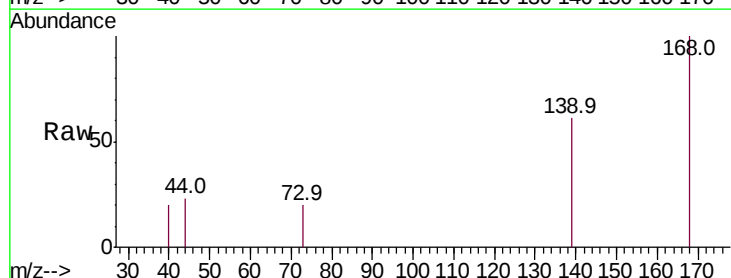


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

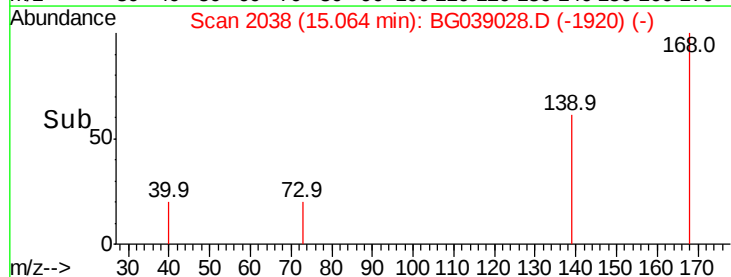
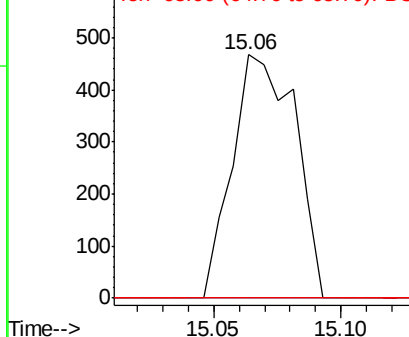


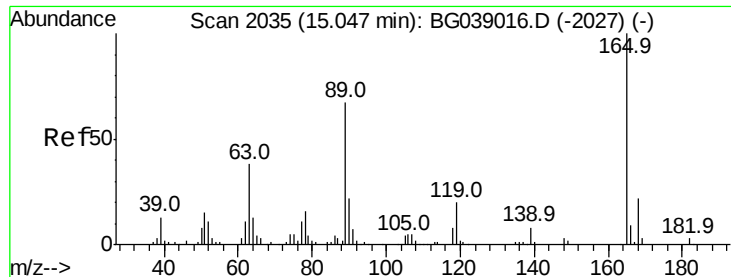
#56
4-Nitrophenol
Concen: 0.977 ng
RT: 15.06 min Scan# 2038
Delta R.T. 0.16 min
Lab File: BG039028.D
Acq: 9 Jan 2019 19:49

Tgt Ion:139 Resp: 810
Ion Ratio Lower Upper
139 100
109 0.0 75.6 115.6#
65 0.0 81.2 121.2#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

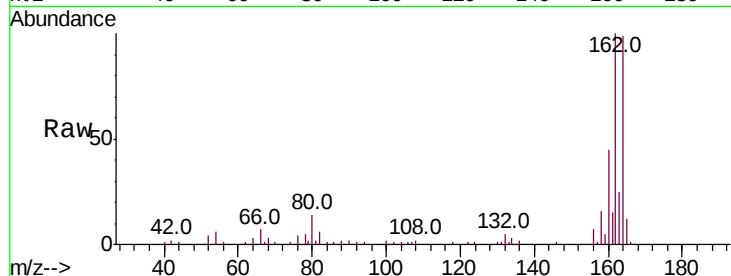




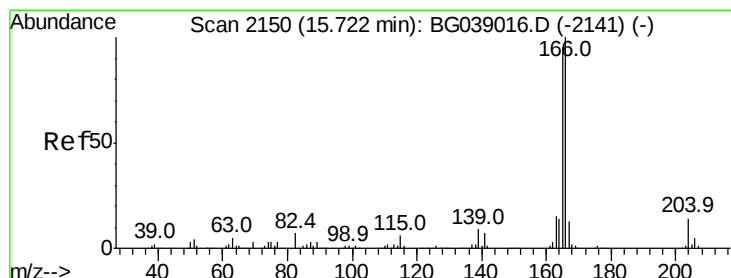
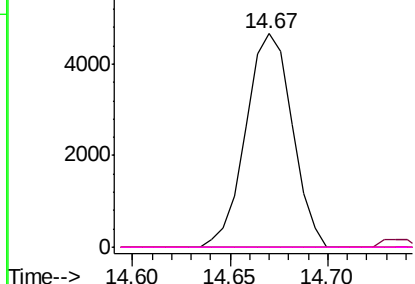
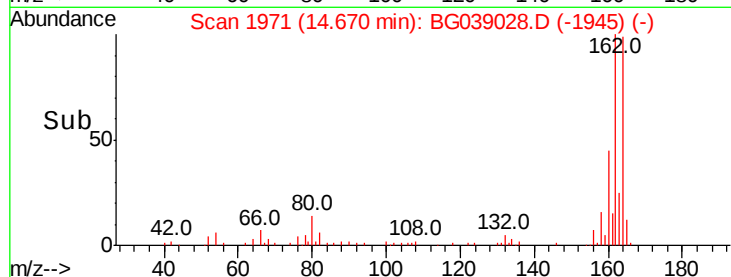
#57
 2,4-Dinitrotoluene
 Concen: 4.719 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.38 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 7687
 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#

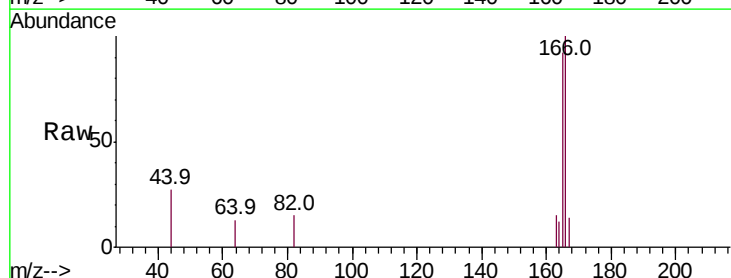


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E

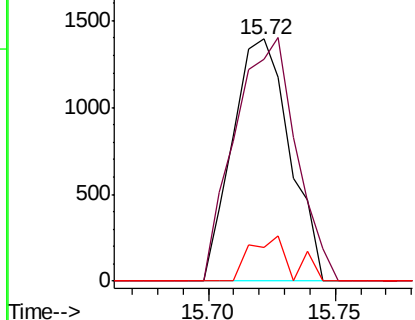
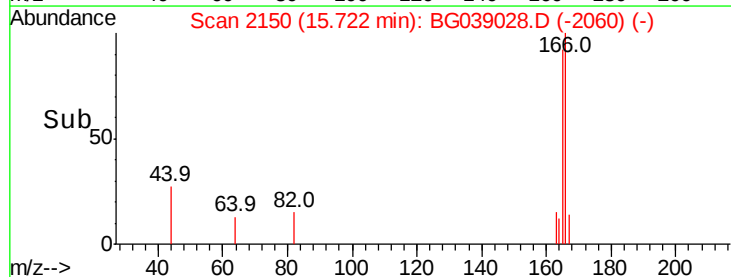


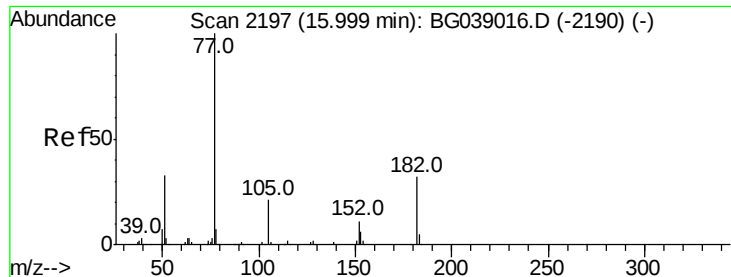
#58
 Fluorene
 Concen: 0.474 ng
 RT: 15.72 min Scan# 2150
 Delta R.T. -0.00 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

Tgt Ion:166 Resp: 2191
 Ion Ratio Lower Upper
 166 100
 165 91.8 76.2 114.2
 167 13.8 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





#63

Azobenzene

Concen: 0.149 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.16 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 609

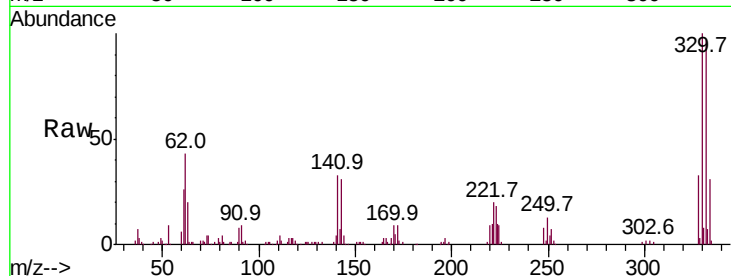
Ion Ratio Lower Upper

77 100

182 48.8 12.2 52.2

105 95.2 1.2 41.2#

51 75.8 13.4 53.4#

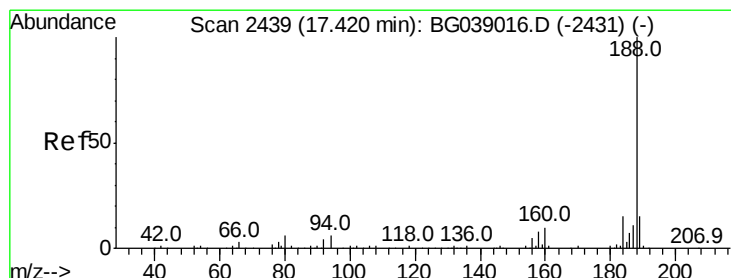
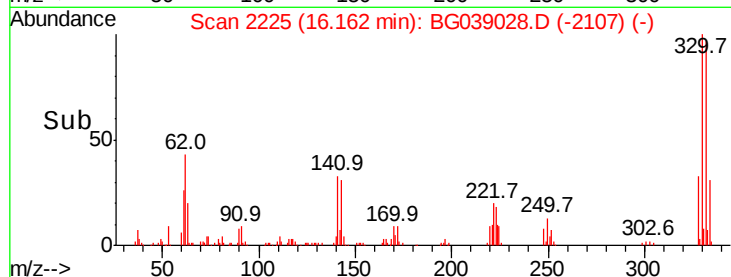
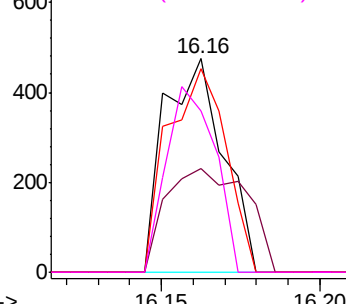


Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

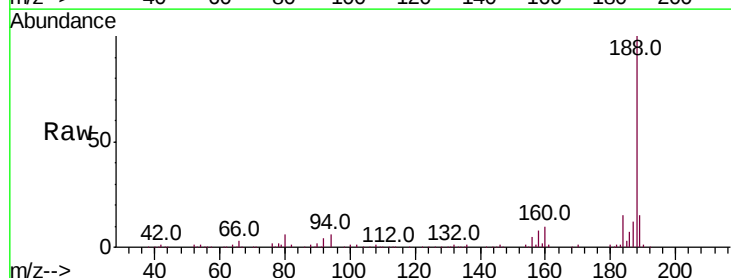
Tgt Ion: 188 Resp: 168968

Ion Ratio Lower Upper

188 100

94 5.6 5.0 7.4

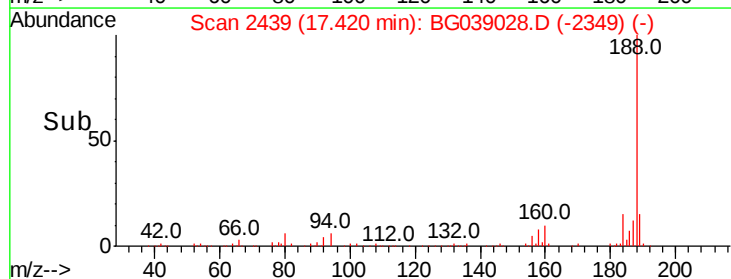
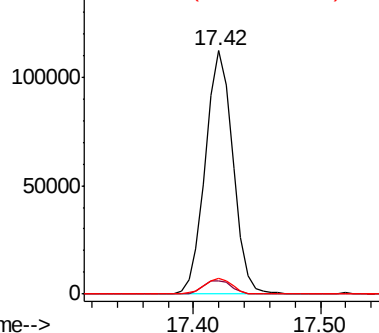
80 6.5 4.7 7.1

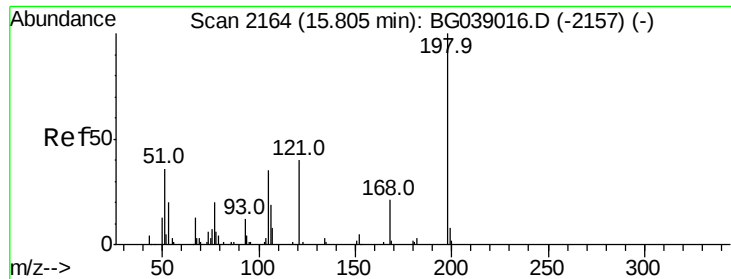


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

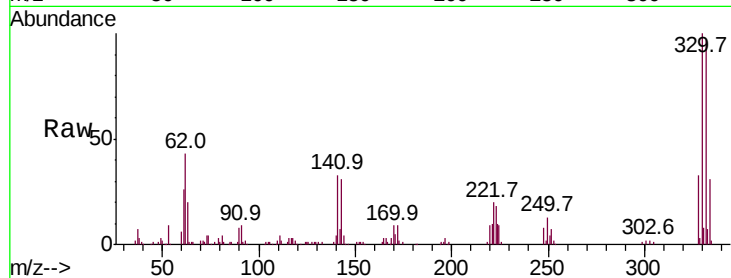




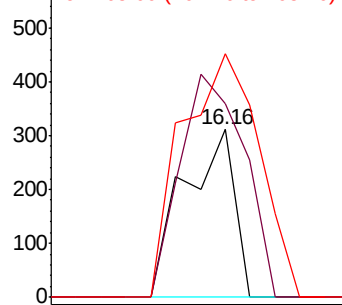
#65
4,6-Dinitro-2-methylphenol
Concen: 0.206 ng
RT: 16.16 min Scan# 2225
Delta R.T. 0.36 min
Lab File: BG039028.D
Acq: 9 Jan 2019 19:49

Instrument :
BNA_G
ClientSampleId :

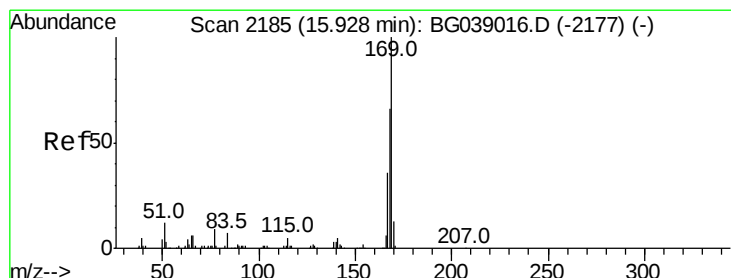
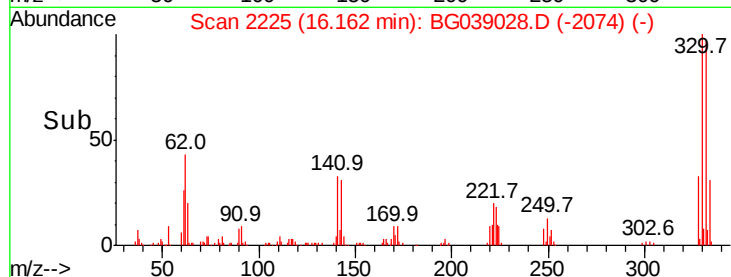
Tot Ion:198 Resp: 258
Ion Ratio Lower Upper
198 100
51 23.7 20.8 60.8
105 29.8 16.1 56.1



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

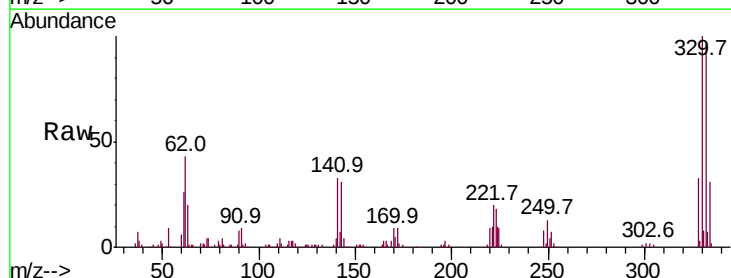


Time--> 16.14 16.16 16.18

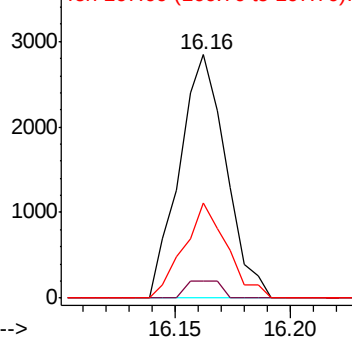


#66
n-Nitrosodiphenylamine
Concen: 0.798 ng
RT: 16.16 min Scan# 2225
Delta R.T. 0.23 min
Lab File: BG039028.D
Acq: 9 Jan 2019 19:49

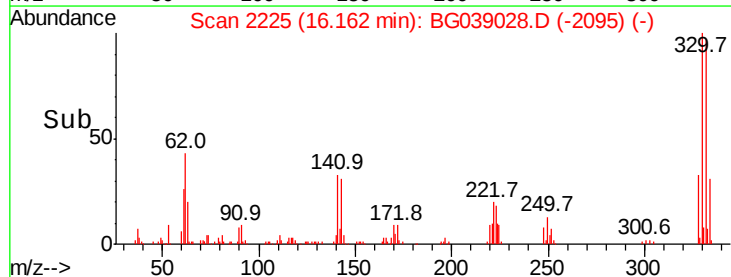
Tgt Ion:169 Resp: 3996
Ion Ratio Lower Upper
169 100
168 7.2 53.2 79.8#
167 39.1 29.1 43.7

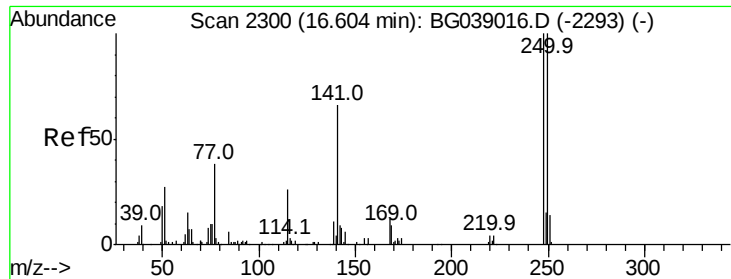


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



Time--> 16.15 16.20

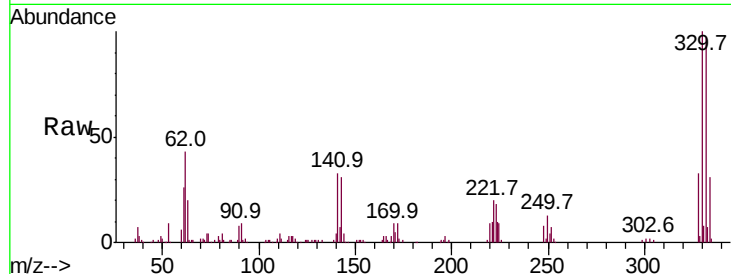




#67
 4-Bromophenyl-phenylether
 Concen: 4.171 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.44 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	168.7	79.9	119.9#
141	339.4	52.7	79.1#

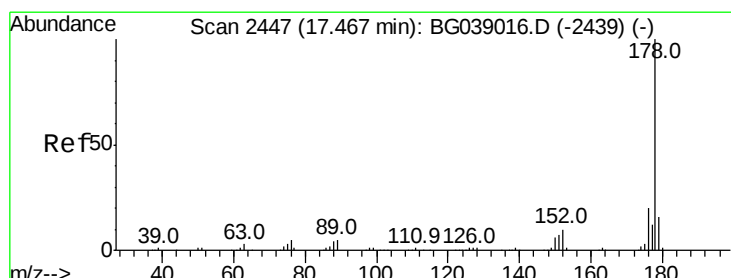
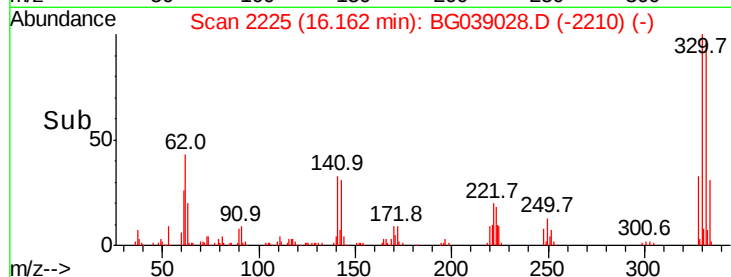
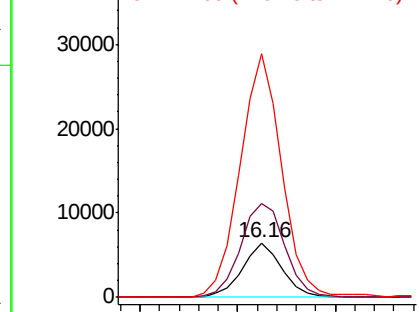


Abundance

Ion 248.00 (247.70 to 248.70): E

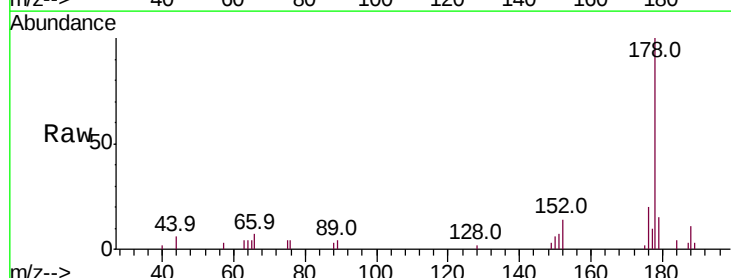
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 1.177 ng
 RT: 17.46 min Scan# 2446
 Delta R.T. -0.01 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.7	23.5
179	15.0	12.9	19.3

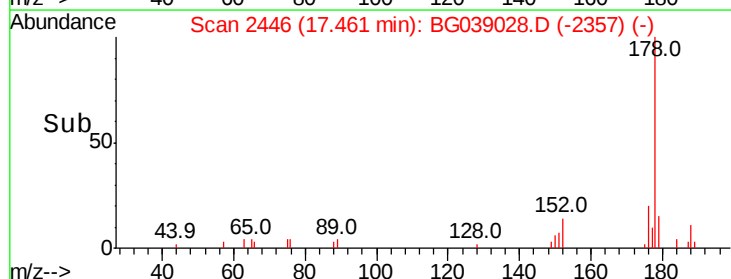
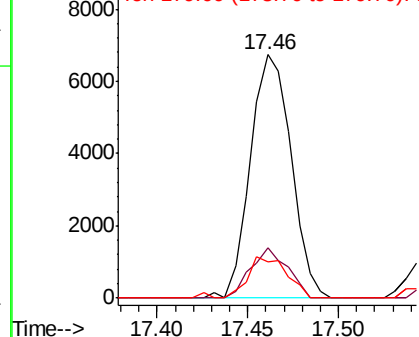


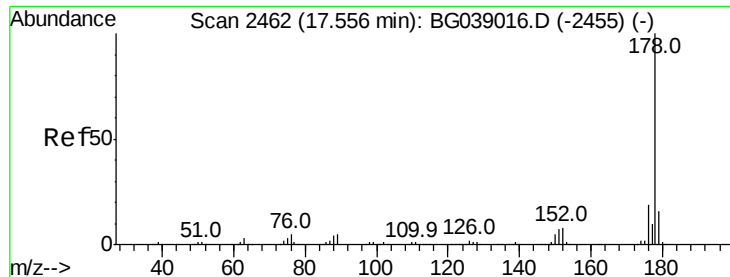
Abundance

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: 1.191 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.09 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

Instrument :

BNA_G

ClientSampleId :

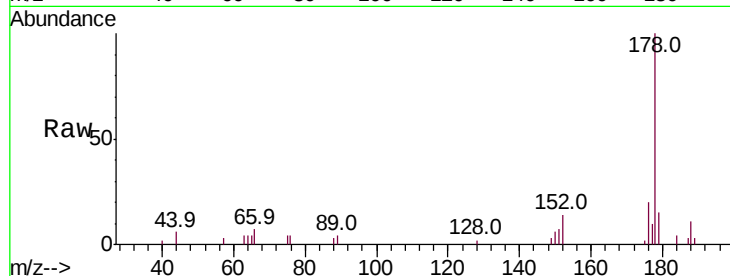
Tot Ion:178 Resp: 10514

Ion Ratio Lower Upper

178 100

176 20.5 14.9 22.3

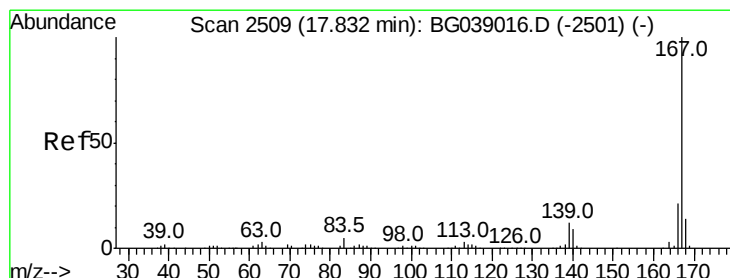
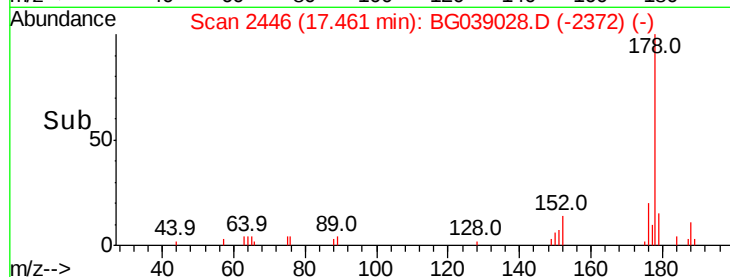
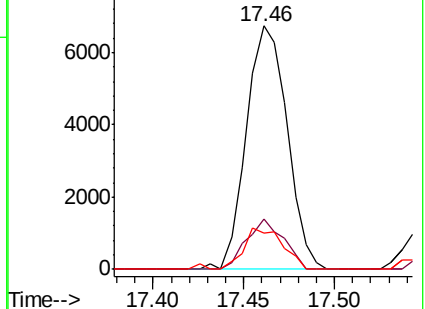
179 15.0 13.0 19.4



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: 0.173 ng

RT: 17.84 min Scan# 2510

Delta R.T. 0.01 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

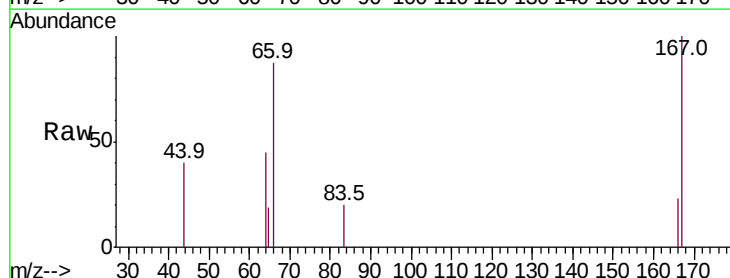
Tgt Ion:167 Resp: 1507

Ion Ratio Lower Upper

167 100

166 23.4 16.9 25.3

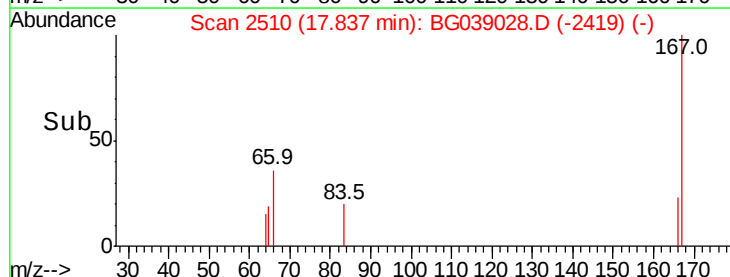
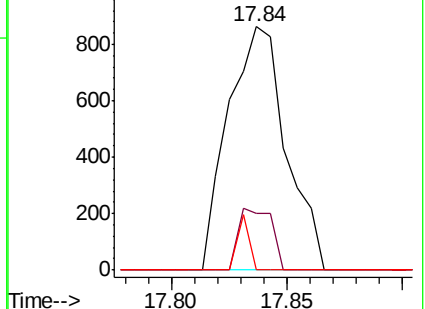
139 0.0 10.0 15.0#

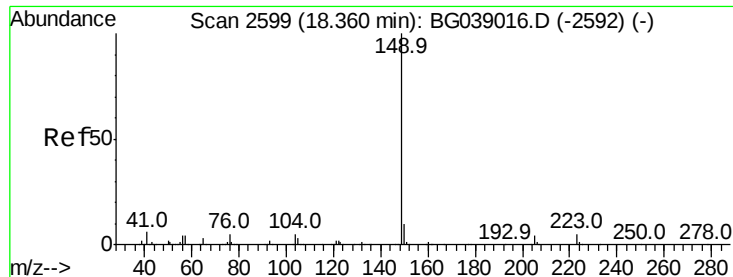


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.006 ng

RT: 18.35 min Scan# 2598

Delta R.T. -0.01 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

Instrument :

BNA_G

ClientSampleId :

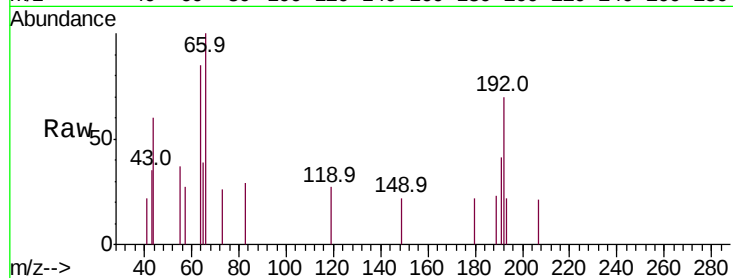
Tot Ion:149 Resp: 55

Ion Ratio Lower Upper

149 100

150 0.0 7.9 11.9#

104 0.0 4.2 6.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

250

200

150

100

50

0

18.34 18.35 18.36

18.35

18.36

18.37

18.38

18.39

18.40

18.41

18.42

18.43

18.44

18.45

18.46

18.47

18.48

18.49

18.50

18.51

18.52

18.53

18.54

18.55

18.56

18.57

18.58

18.59

18.60

18.61

18.62

18.63

18.64

18.65

18.66

18.67

18.68

18.69

18.70

18.71

18.72

18.73

18.74

18.75

18.76

18.77

18.78

18.79

18.80

18.81

18.82

18.83

18.84

18.85

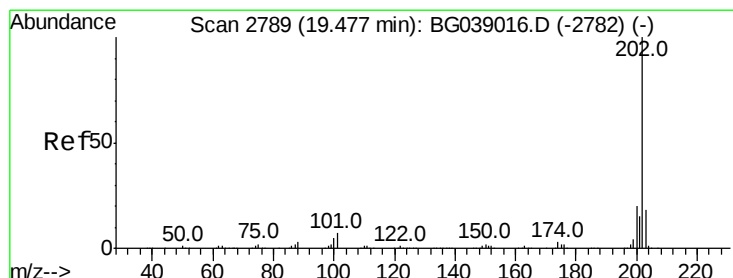
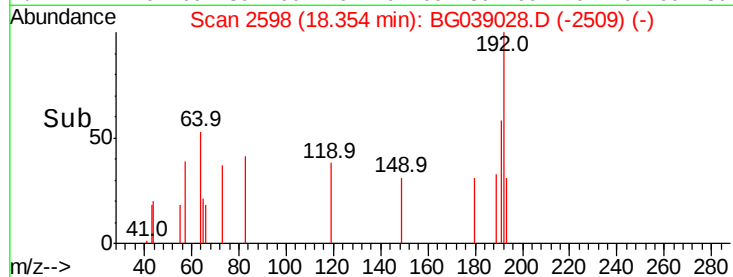
18.86

18.87

18.88

18.89

18.90



#75

Fluoranthene

Concen: 2.648 ng

RT: 19.47 min Scan# 2788

Delta R.T. -0.01 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

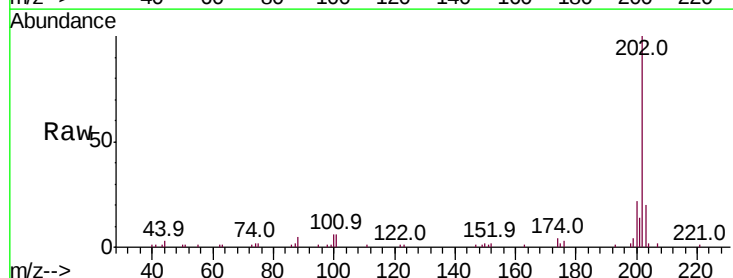
Tgt Ion:202 Resp: 29317

Ion Ratio Lower Upper

202 100

101 6.1 0.0 26.9

203 20.3 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

25000

20000

15000

10000

5000

0

19.40 19.45 19.50 19.55

19.47

19.48

19.49

19.50

19.51

19.52

19.53

19.54

19.55

19.56

19.57

19.58

19.59

19.60

19.61

19.62

19.63

19.64

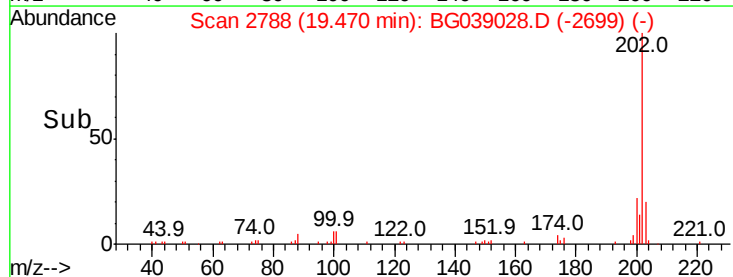
19.65

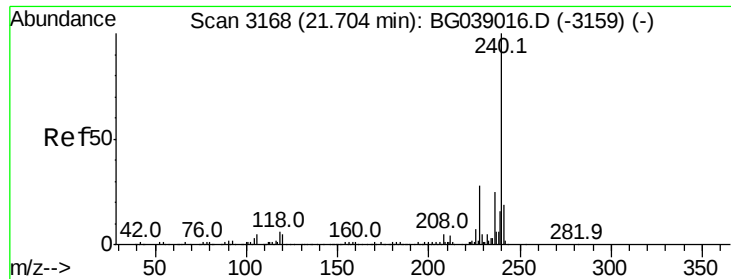
19.66

19.67

19.68

19.69





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

Instrument :

BNA_G

ClientSampleId :

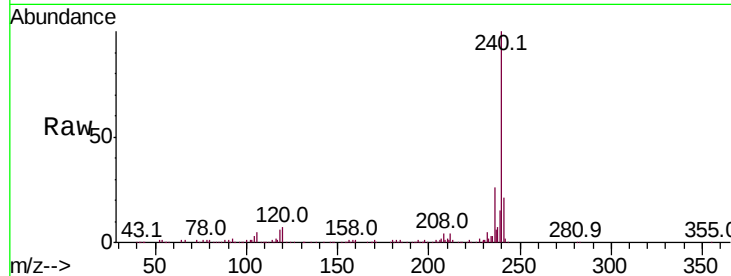
Tot Ion:240 Resp: 182991

Ion Ratio Lower Upper

240 100

120 6.8 4.3 6.5#

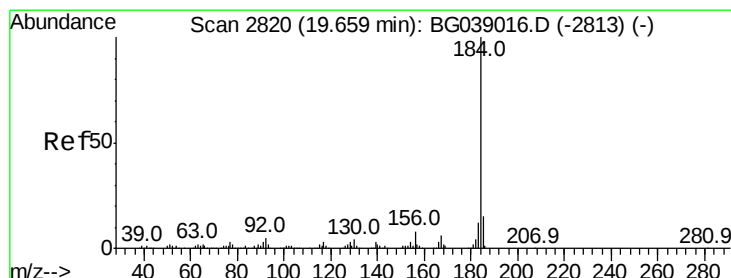
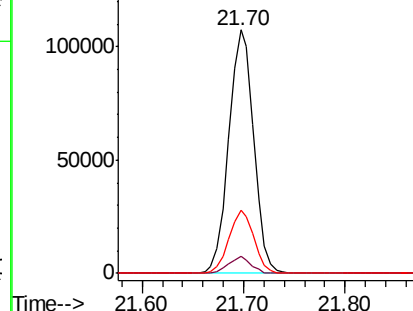
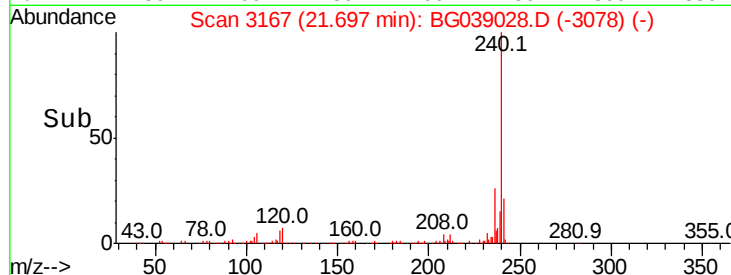
236 25.7 20.1 30.1



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: 2.212 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.36 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

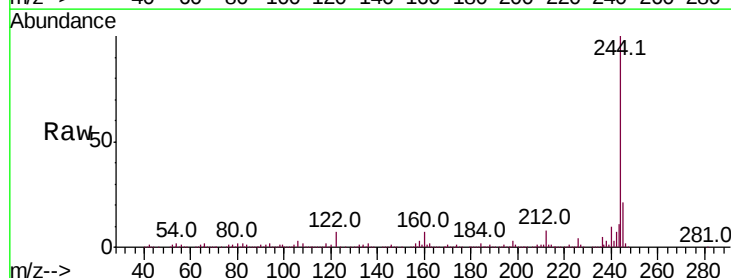
Tgt Ion:184 Resp: 12381

Ion Ratio Lower Upper

184 100

185 18.2 12.1 18.1#

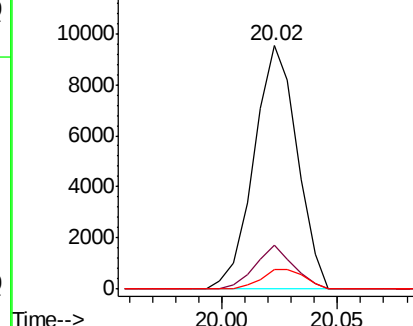
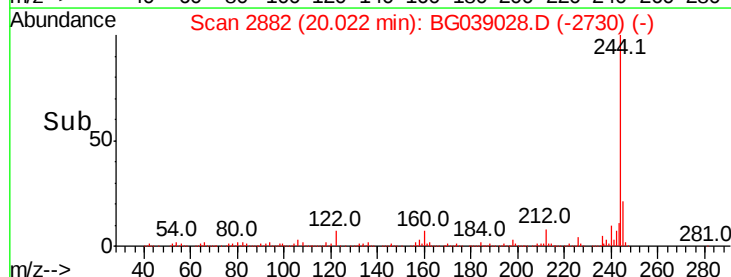
183 7.8 9.5 14.3#

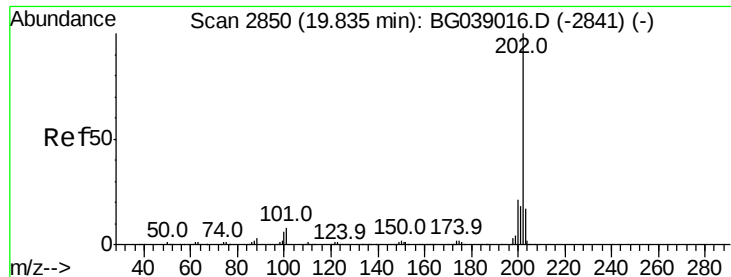


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 2.048 ng

RT: 19.83 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

Instrument :

BNA_G

ClientSampleId :

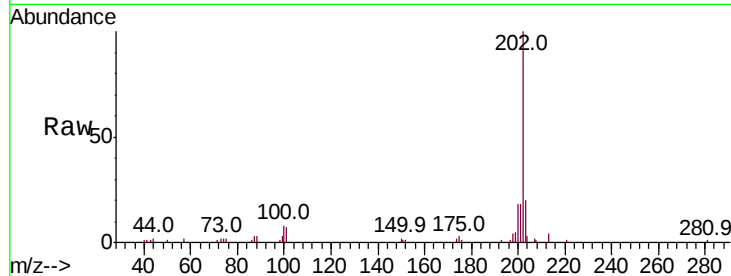
Tot Ion:202 Resp: 23880

Ion Ratio Lower Upper

202 100

200 17.6 17.0 25.6

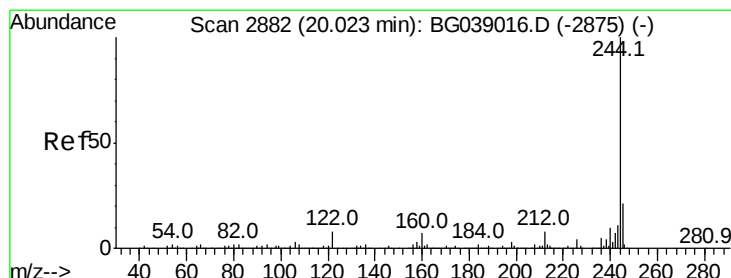
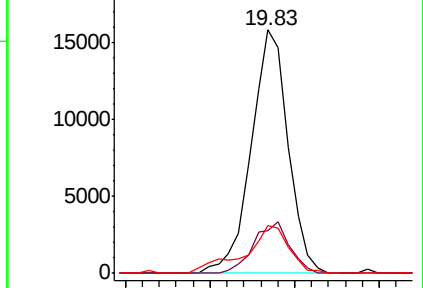
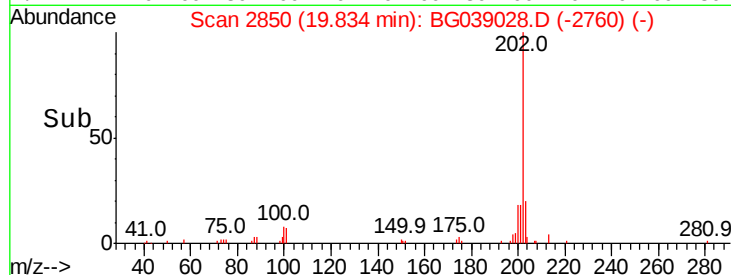
203 19.7 14.0 21.0



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: 77.366 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

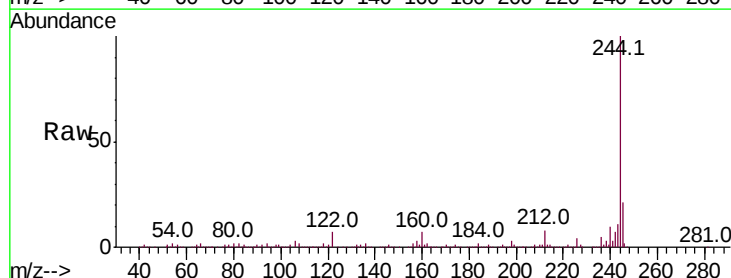
Tgt Ion:244 Resp: 765306

Ion Ratio Lower Upper

244 100

212 8.0 6.1 9.1

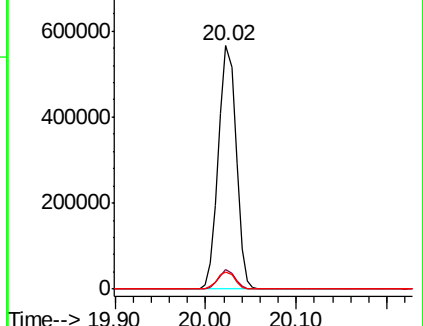
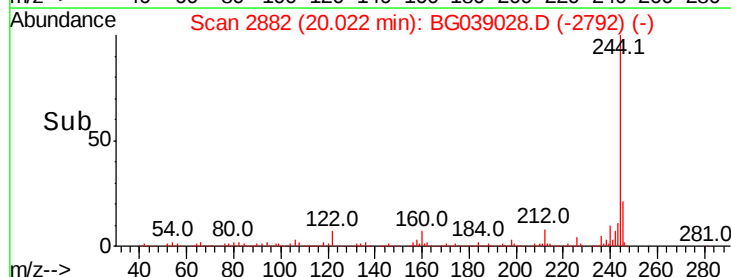
122 6.9 6.1 9.1

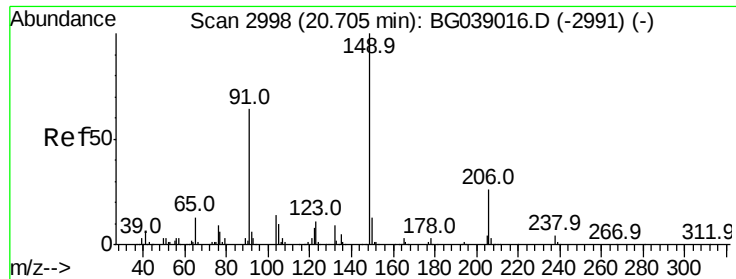


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

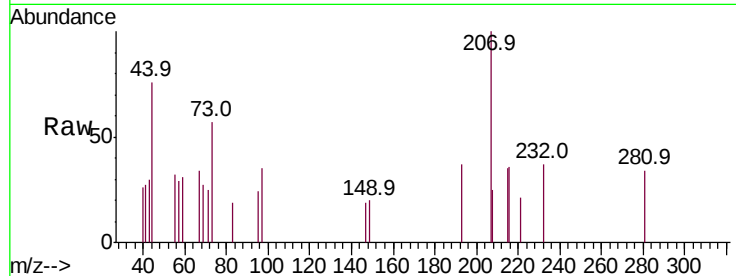




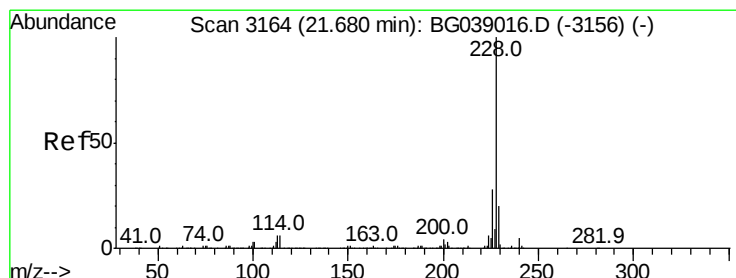
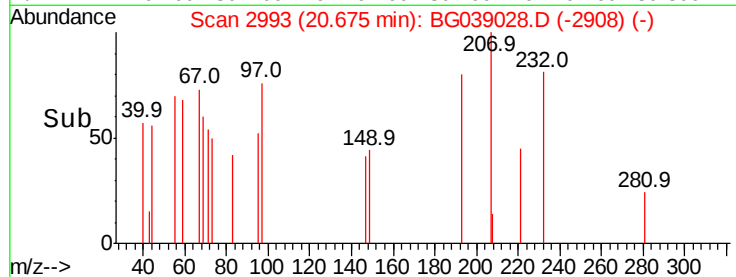
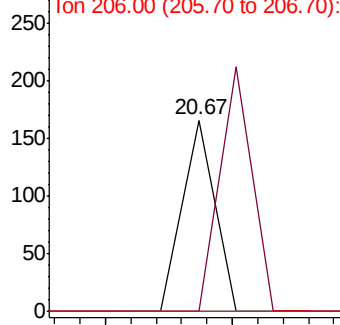
#80
 Butylbenzylphthalate
 Concen: 0.013 ng
 RT: 20.67 min Scan# 2993
 Delta R.T. -0.03 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:149 Resp: 59
 Ion Ratio Lower Upper
 149 100
 91 0.0 51.4 77.0#
 206 0.0 20.4 30.6#

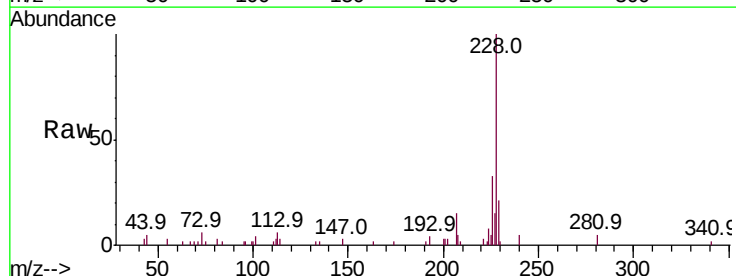


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BG
 Ion 206.00 (205.70 to 206.70): E

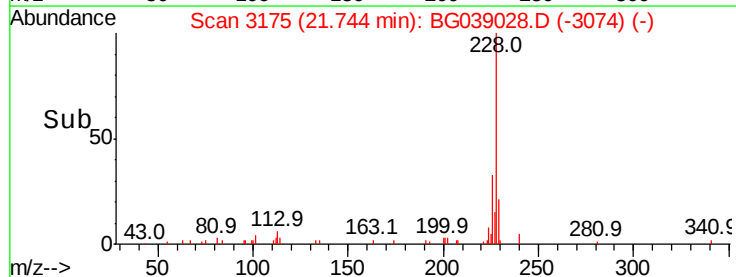
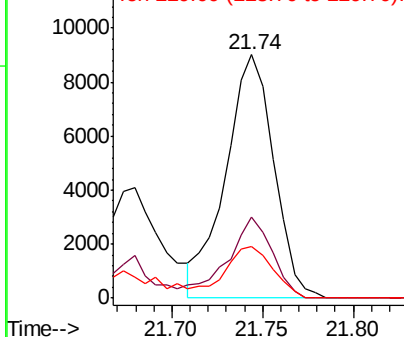


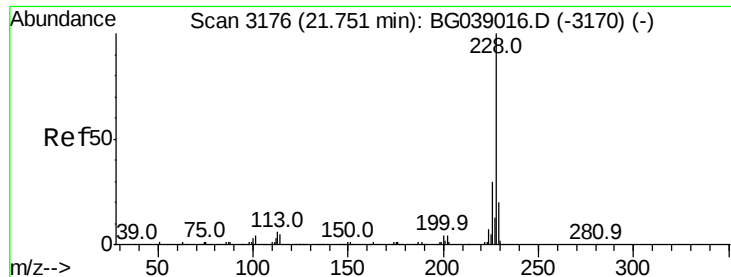
#81
 Benzo(a)anthracene
 Concen: 1.496 ng
 RT: 21.74 min Scan# 3175
 Delta R.T. 0.06 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

Tgt Ion:228 Resp: 16663
 Ion Ratio Lower Upper
 228 100
 226 33.4 22.4 33.6
 229 21.0 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

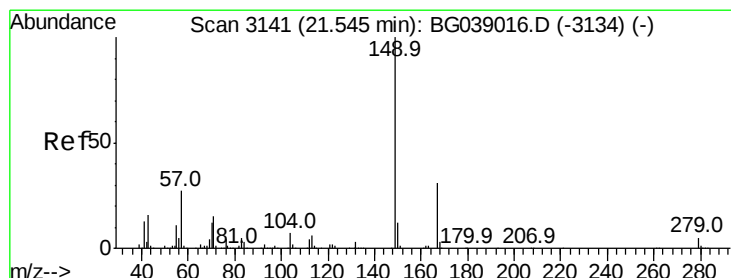
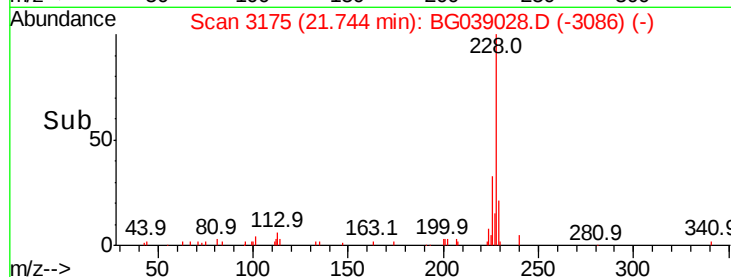
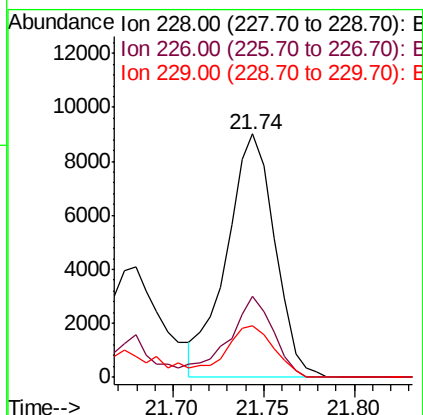
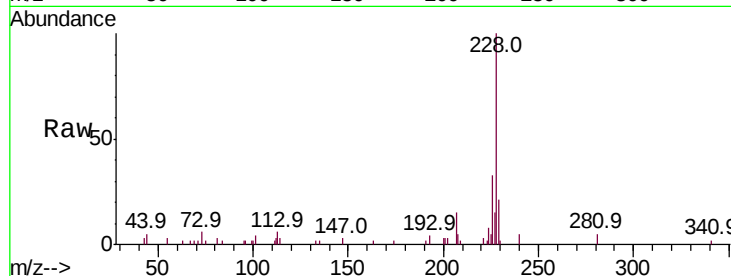




#83
 Chrvsene
 Concen: 1.573 ng
 RT: 21.74 min Scan# 3175
 Delta R.T. -0.01 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

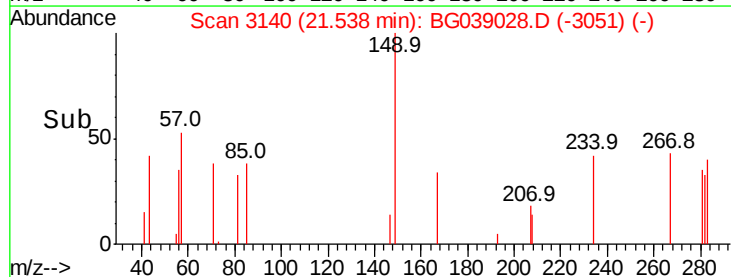
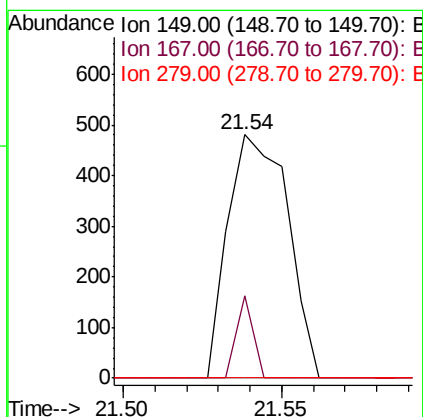
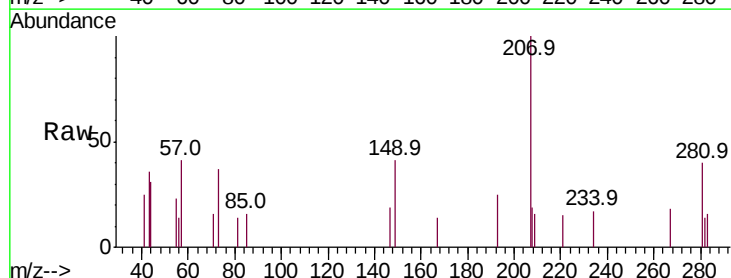
Instrument :
 BNA_G
 ClientSampleId :

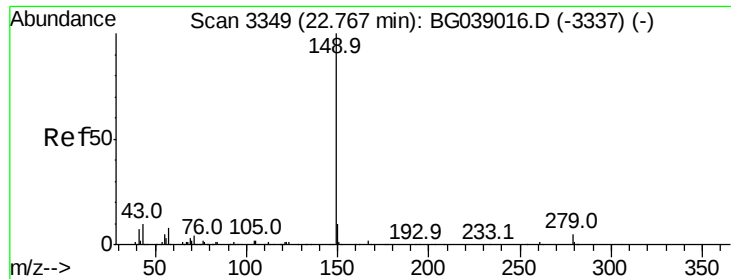
Tot Ion	Ratio	Lower	Upper
228	100		
226	33.4	24.1	36.1
229	21.0	16.0	24.0



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.102 ng
 RT: 21.54 min Scan# 3140
 Delta R.T. -0.01 min
 Lab File: BG039028.D
 Acq: 9 Jan 2019 19:49

Tgt Ion	Ratio	Lower	Upper
149	100		
167	33.9	25.0	37.4
279	0.0	4.3	6.5#

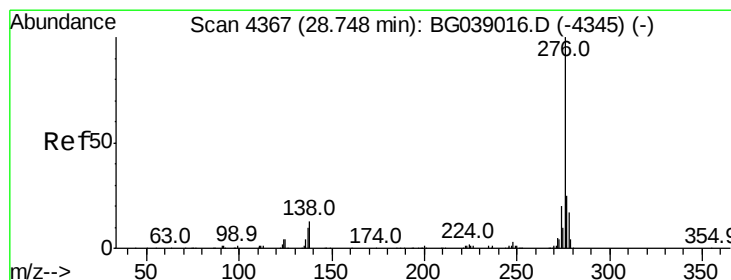
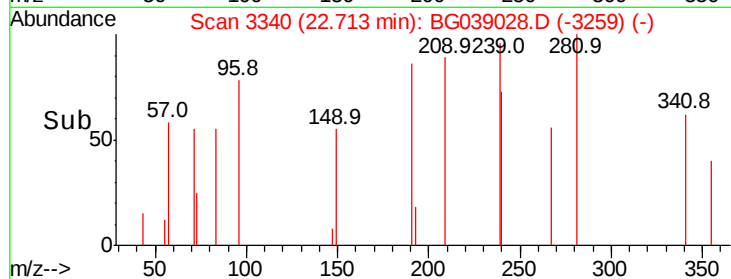
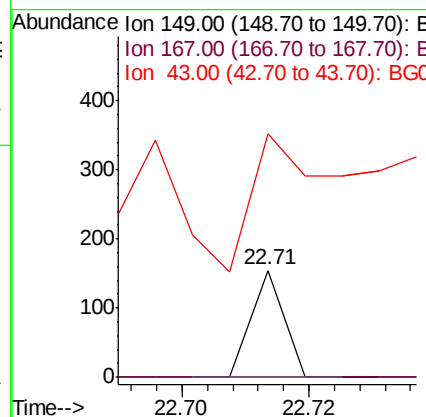
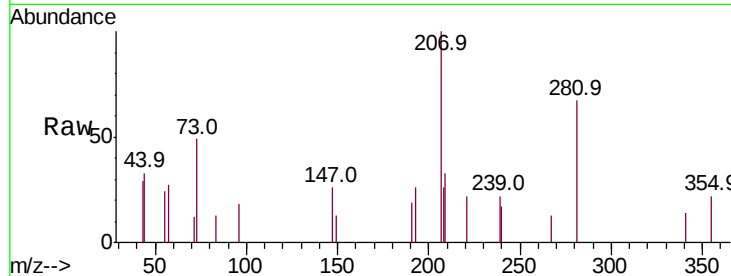




#85
Di-n-octyl phthalate
Concen: 0.005 ng
RT: 22.71 min Scan# 3340
Delta R.T. -0.05 min
Lab File: BG039028.D
Acq: 9 Jan 2019 19:49

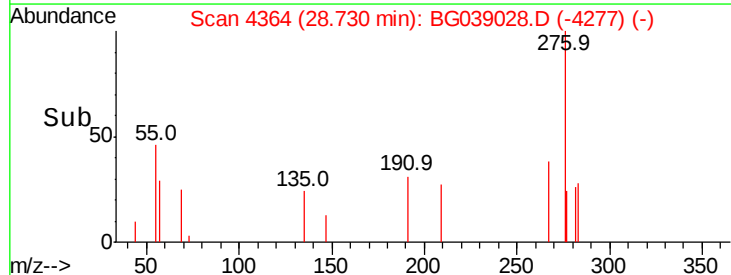
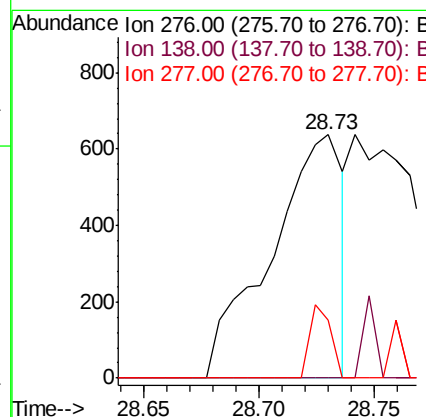
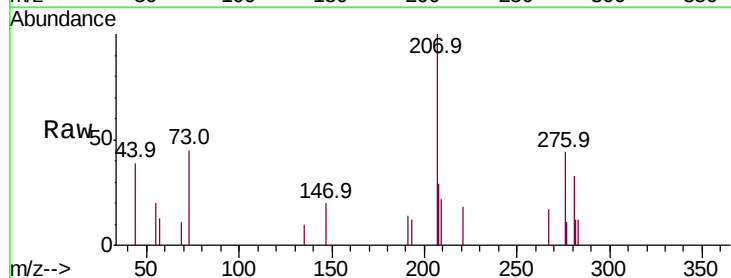
Instrument :
BNA_G
ClientSampled :

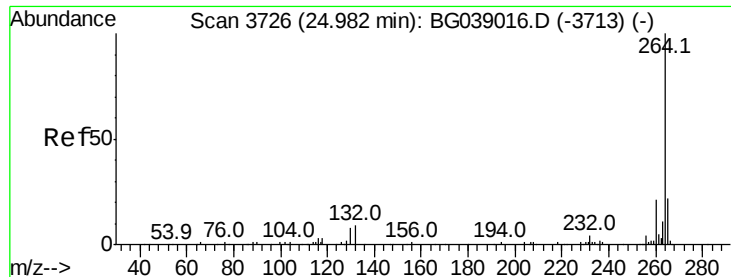
Tot Ion:149 Resp: 54
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 1135.2 7.5 11.3#



#86
Indeno(1,2,3-cd)pyrene
Concen: 0.109 ng
RT: 28.73 min Scan# 4364
Delta R.T. -0.02 min
Lab File: BG039028.D
Acq: 9 Jan 2019 19:49

Tgt Ion:276 Resp: 1385
Ion Ratio Lower Upper
276 100
138 0.0 8.0 12.0#
277 8.8 20.3 30.5#



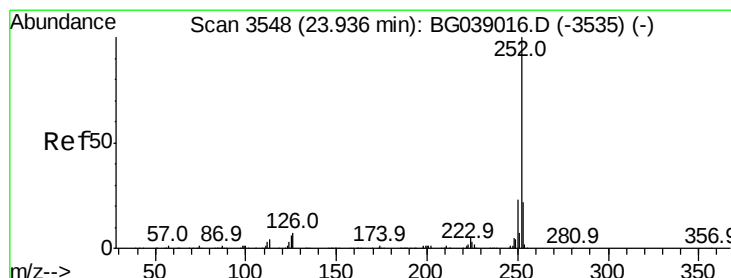
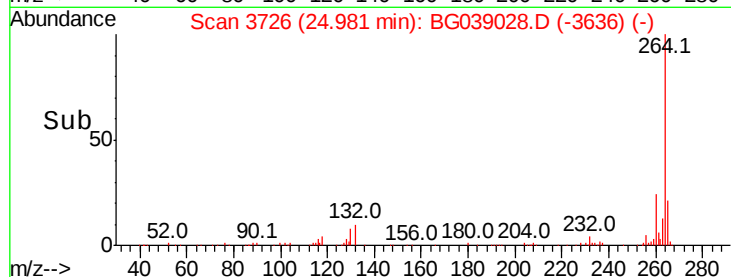
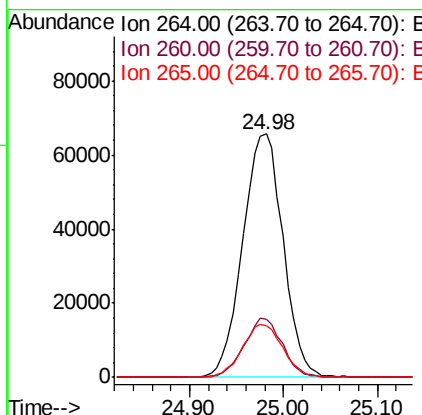
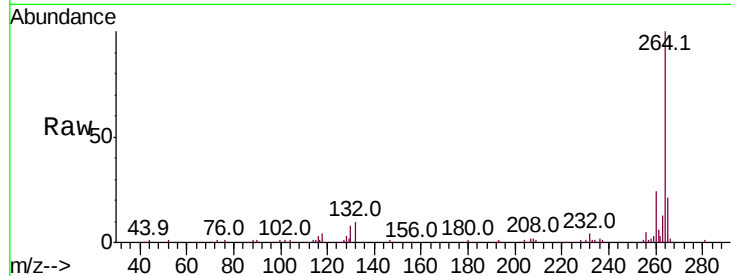


#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.98 min Scan# 3726
Delta R.T. -0.00 min
Lab File: BG039028.D
Acq: 9 Jan 2019 19:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 195281

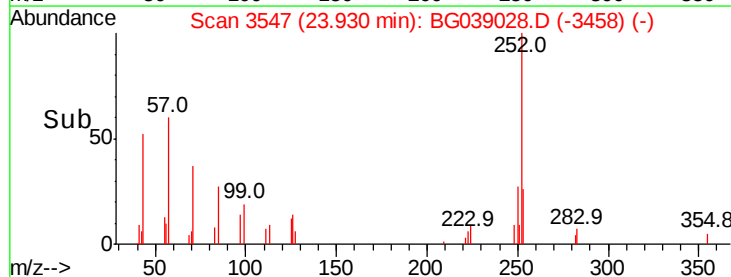
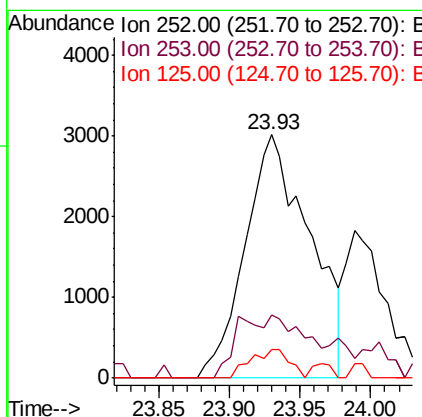
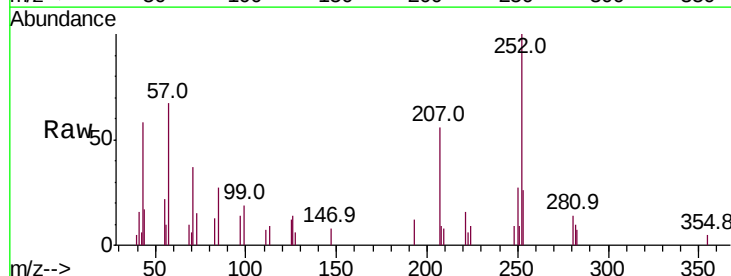
Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.0	25.6
265	21.4	17.2	25.8

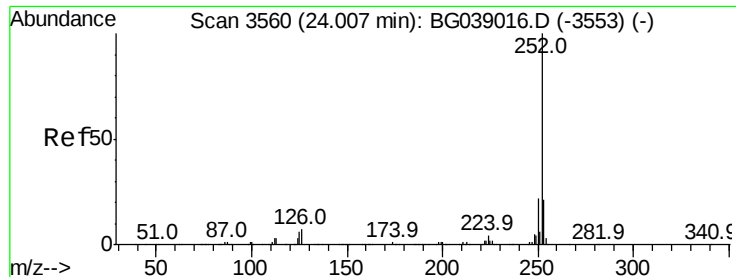


#88
Benzo(b)fluoranthene
Concen: 0.897 ng
RT: 23.93 min Scan# 3547
Delta R.T. -0.01 min
Lab File: BG039028.D
Acq: 9 Jan 2019 19:49

Tgt Ion:252 Resp: 9664

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.8	26.6
125	11.9	4.9	7.3#





#89

Benzo(k)fluoranthene

Concen: 0.324 ng

RT: 23.99 min Scan# 3557

Delta R.T. -0.02 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

Instrument :

BNA_G

ClientSampleId :

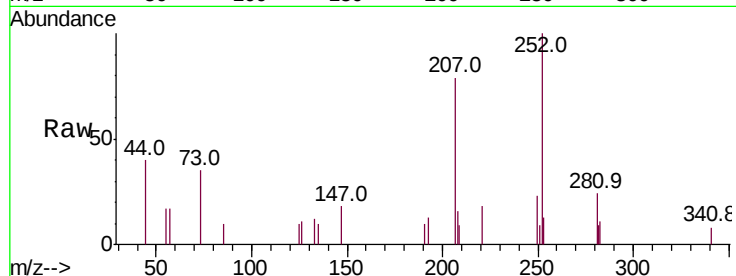
Tot Ion:252 Resp: 3452

Ion Ratio Lower Upper

252 100

253 12.9 17.1 25.7#

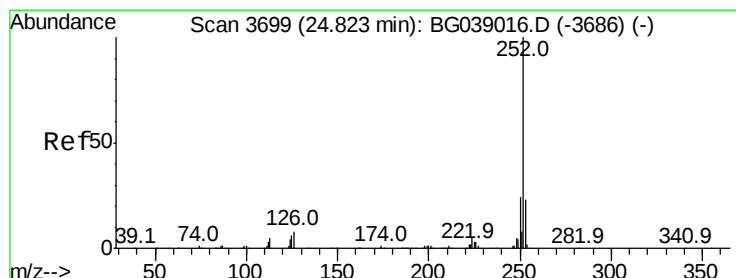
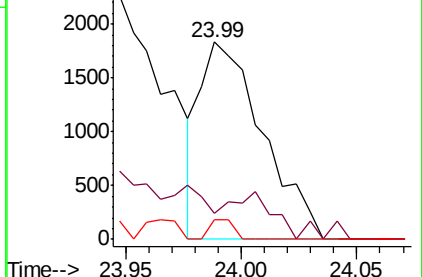
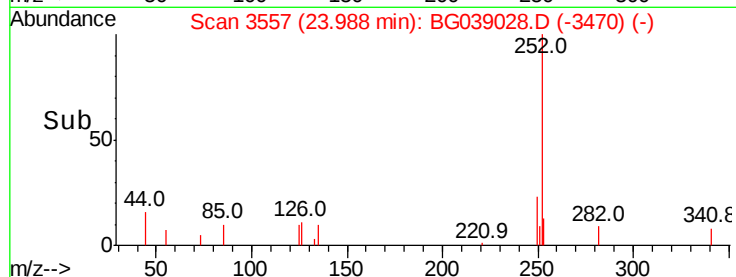
125 10.1 4.6 7.0#



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: 0.311 ng

RT: 24.82 min Scan# 3698

Delta R.T. -0.01 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

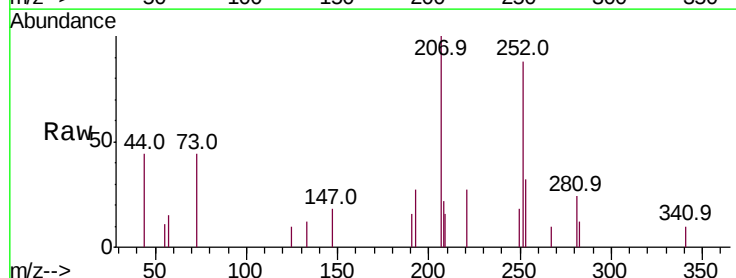
Tgt Ion:252 Resp: 3240

Ion Ratio Lower Upper

252 100

253 36.7 18.3 27.5#

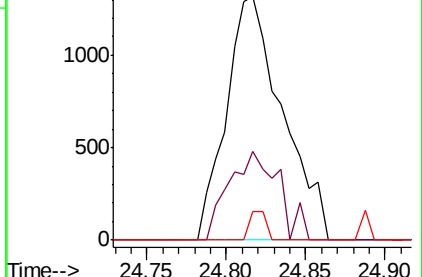
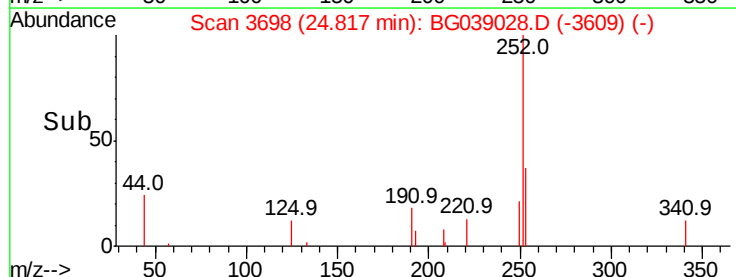
125 11.5 4.9 7.3#

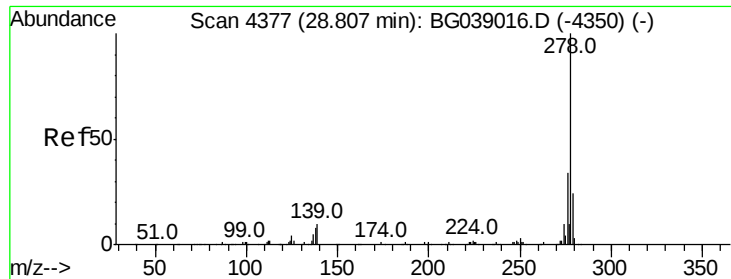


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 0.006 ng

RT: 28.79 min Scan# 4375

Delta R.T. -0.01 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

Instrument :

BNA_G

ClientSampleId :

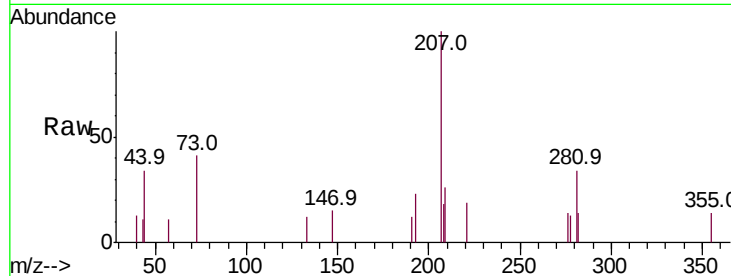
Tot Ion:278 Resp: 66

Ion Ratio Lower Upper

278 100

139 0.0 7.9 11.9#

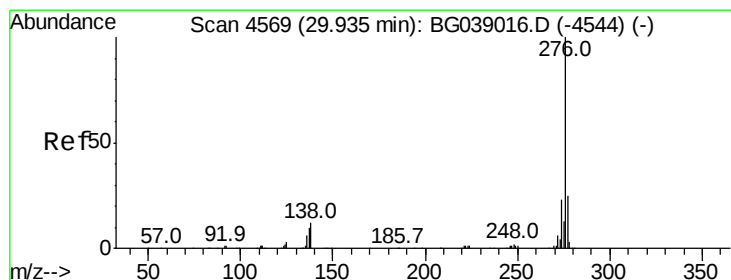
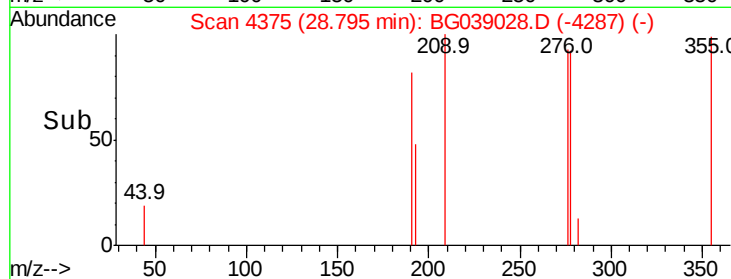
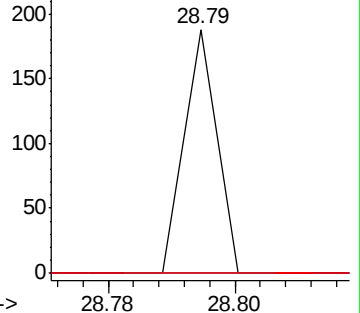
279 0.0 19.3 28.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 0.199 ng

RT: 29.92 min Scan# 4566

Delta R.T. -0.02 min

Lab File: BG039028.D

Acq: 9 Jan 2019 19:49

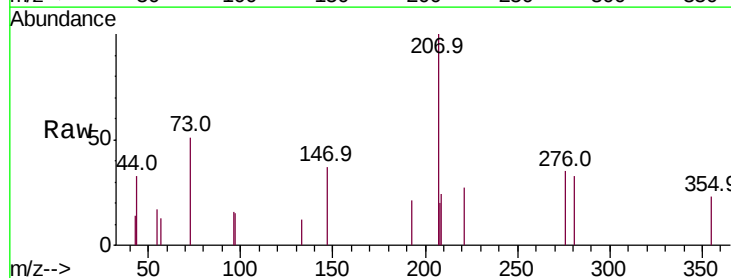
Tgt Ion:276 Resp: 2037

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

