

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030819\
 Data File : BG039829.D
 Acq On : 8 Mar 2019 20:13
 Operator : JU/SJ
 Sample : K1783-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 08 23:13:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	40151	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	177193	20.00	ng	-0.02
39) Acenaphthene-d10	14.78	164	126278	20.00	ng	-0.01
64) Phenanthrene-d10	17.52	188	310607	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	315835	20.00	ng	-0.02
87) Perylene-d12	25.18	264	311970	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	143957	61.17	ng	-0.01
7) Phenol-d6	7.30	99	130750	37.26	ng	-0.02
23) Nitrobenzene-d5	9.33	82	315590	96.33	ng	-0.01
42) 2,4,6-Tribromophenol	16.27	330	204696	139.07	ng	-0.01
45) 2-Fluorobiphenyl	13.41	172	803904	90.64	ng	-0.01
79) Terphenyl-d14	20.11	244	1279538	89.20	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.61	88	67	0.062	ng	# 1
3) Pyridine	3.59	79	53	0.018	ng	# 1
4) n-Nitrosodimethylamine	3.92	42	128	0.093	ng	# 1
6) Aniline	7.67	93	356	0.077	ng	# 1
9) Benzaldehyde	7.29	77	87	0.038	ng	# 4
10) Phenol	7.32	94	906	0.238	ng	# 2
11) bis(2-Chloroethyl)ether	7.67	93	356	0.120	ng	# 1
12) 1,3-Dichlorobenzene	8.51	146	56	0.017	ng	# 25
13) 1,4-Dichlorobenzene	8.51	146	56	0.017	ng	# 25
14) 1,2-Dichlorobenzene	8.51	146	56	0.018	ng	# 24
15) Benzyl Alcohol	8.48	79	4471	1.606	ng	# 57
19) n-Nitroso-di-n-propylamine	9.33	70	40877	16.183	ng	# 68
24) Nitrobenzene	9.33	77	1046	0.304	ng	# 41
46) 1,1'-Biphenyl	13.62	154	1264	0.122	ng	# 80
48) 2-Nitroaniline	13.41	65	1194	0.476	ng	# 1
50) Dimethylphthalate	14.22	163	728	0.069	ng	# 76
51) 2,6-Dinitrotoluene	14.78	165	15741	7.032	ng	# 25
52) Acenaphthene	14.77	154	619	0.080	ng	# 5
57) 2,4-Dinitrotoluene	14.78	165	15741	5.005	ng	# 20
58) Fluorene	16.27	166	8693	0.873	ng	# 90
60) Diethylphthalate	15.57	149	127	0.012	ng	# 58
63) Azobenzene	16.20	77	62	0.007	ng	# 47
65) 4,6-Dinitro-2-methylphenol	16.27	198	702	0.382	ng	# 1
66) n-Nitrosodiphenylamine	16.27	169	8297	0.923	ng	# 48
67) 4-Bromophenyl-phenylether	16.27	248	16466	4.736	ng	# 1
71) Phenanthrene	17.57	178	228	0.013	ng	# 59
72) Anthracene	17.57	178	228	0.014	ng	# 60
74) Di-n-butylphthalate	18.46	149	363	0.021	ng	# 77
75) Fluoranthene	19.57	202	193	0.010	ng	# 63
77) Benzidine	20.11	184	22731	2.268	ng	# 97
78) Pyrene	20.12	202	5237	0.255	ng	# 58
80) Butylbenzylphthalate	20.67	149	79	0.010	ng	# 22
81) Benzo(a)anthracene	21.81	228	955	0.048	ng	# 61
83) Chrysene	21.81	228	955	0.050	ng	# 57

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Instrument :
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Quant Time: Mar 08 23:13:48 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 04 14:38:15 2019
Response via : Initial Calibration

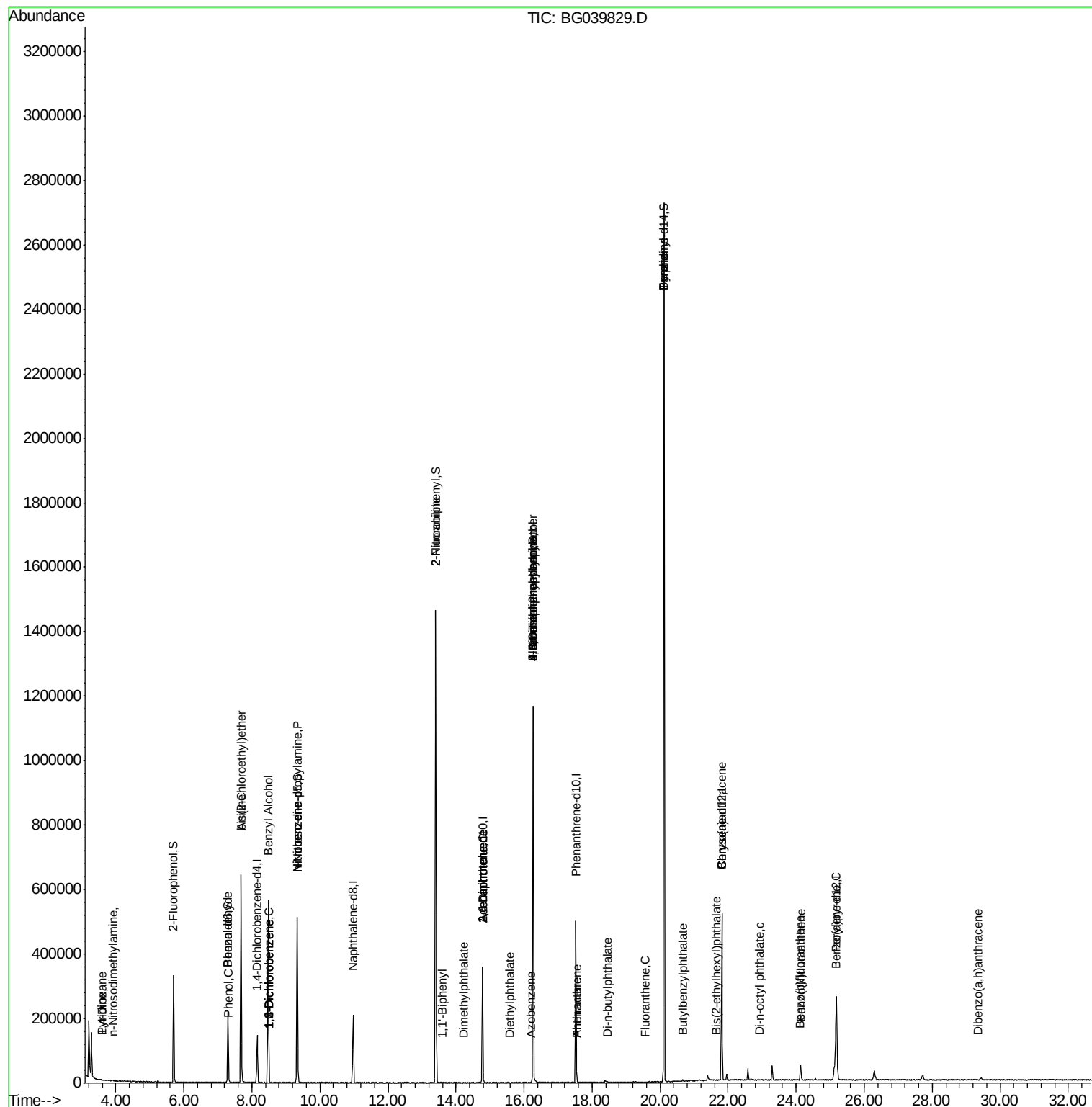
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Bis(2-ethylhexyl)phthalate	21.66	149	427	0.038	ng	# 52
85) Di-n-octyl phthalate	22.92	149	127	0.007	ng	# 1
88) Benzo(b)fluoranthene	24.11	252	59	0.003	ng	# 60
89) Benzo(k)fluoranthene	24.14	252	53	0.003	ng	# 1
90) Benzo(a)pyrene	25.16	252	405	0.024	ng	# 59
91) Dibenzo(a,h)anthracene	29.34	278	67	0.004	ng	# 56

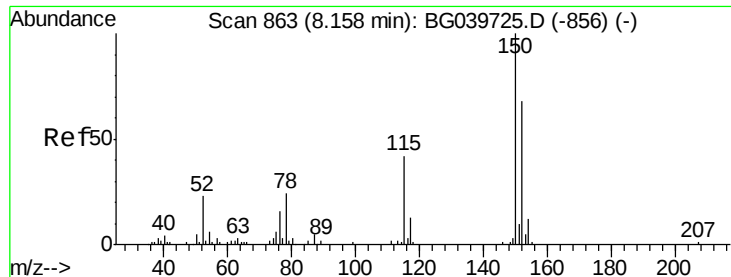
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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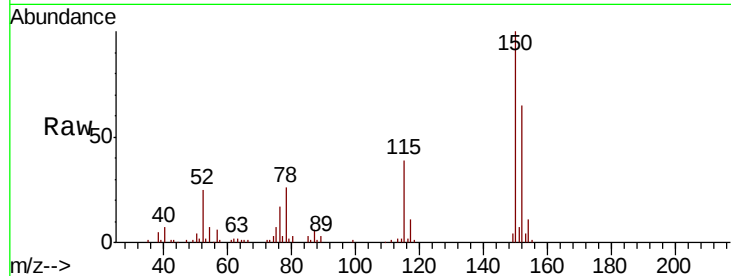


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.02 min
Lab File: BG039829.D
Acq: 8 Mar 2019 20:13

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	123.7	185.5
115	59.3	45.9	68.9

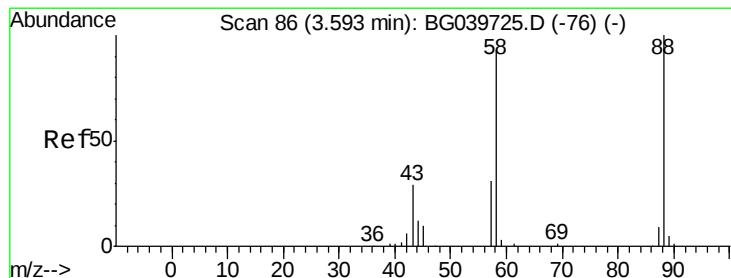
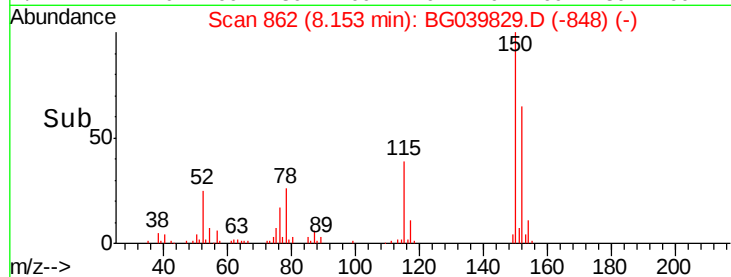
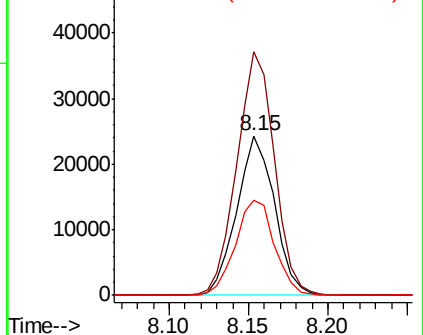


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

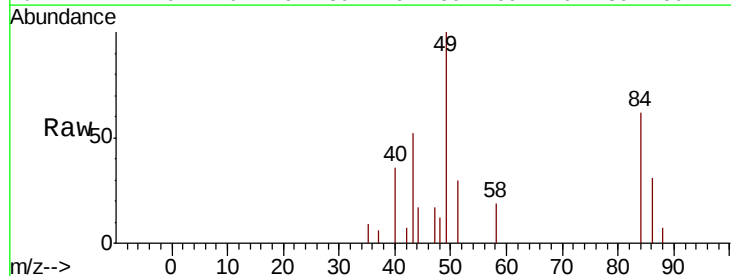
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 0.062 ng
RT: 3.61 min Scan# 88
Delta R.T. 0.00 min
Lab File: BG039829.D
Acq: 8 Mar 2019 20:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	503.0	81.1	121.7#
43	0.0	31.4	47.0#

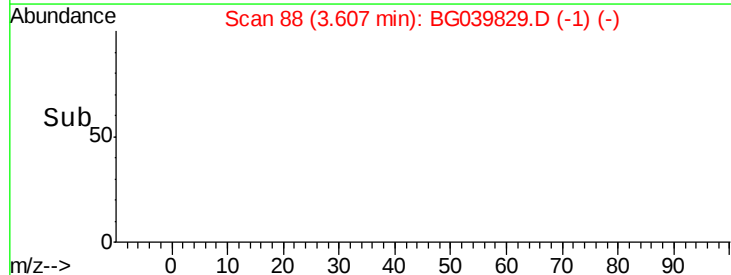
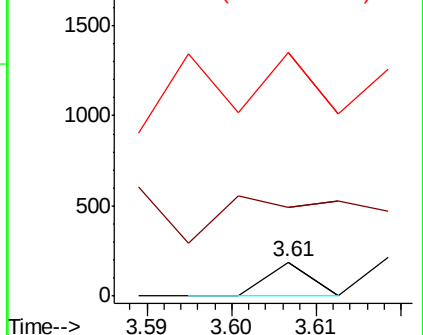


Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 0.018 ng

RT: 3.59 min Scan# 85

Delta R.T. -0.42 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

Instrument :

BNA_G

ClientSampleId :

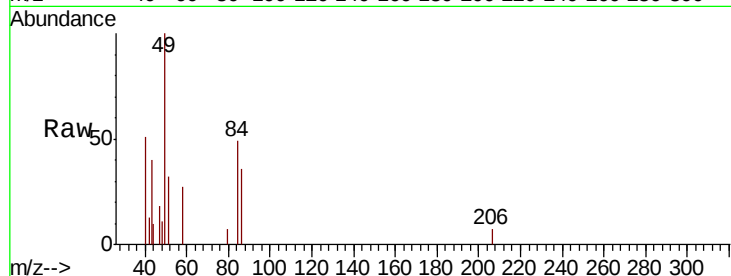
Tot Ion: 79 Resp: 53

Ion Ratio Lower Upper

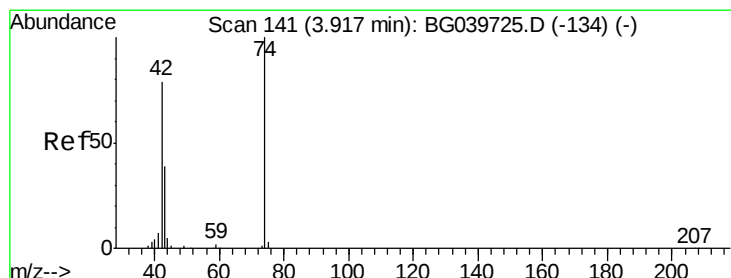
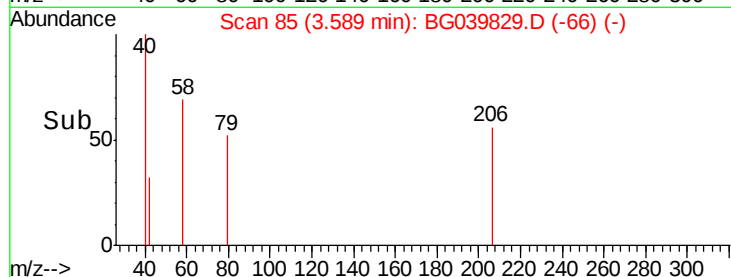
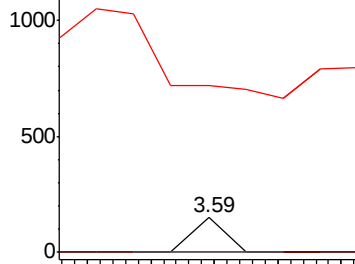
79 100

52 0.0 82.6 124.0#

51 479.3 37.5 56.3#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 0.093 ng

RT: 3.92 min Scan# 142

Delta R.T. -0.01 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

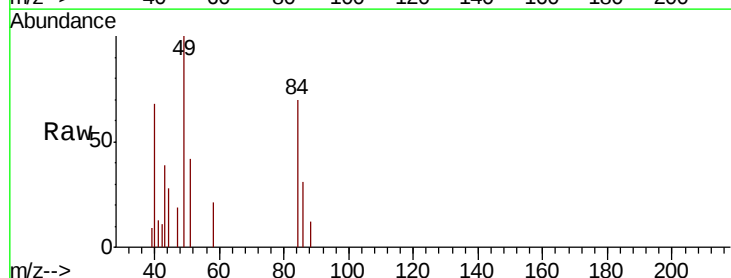
Tgt Ion: 42 Resp: 128

Ion Ratio Lower Upper

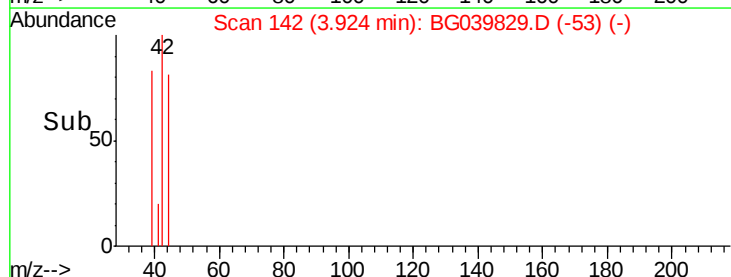
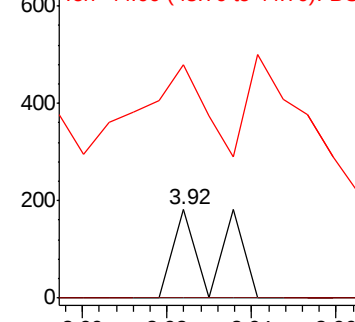
42 100

74 0.0 83.6 125.4#

44 263.2 6.9 10.3#



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





#5

2-Fluorophenol

Concen: 61.167 ng

RT: 5.70 min Scan# 444

Delta R.T. -0.01 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

Instrument :

BNA_G

ClientSampled :

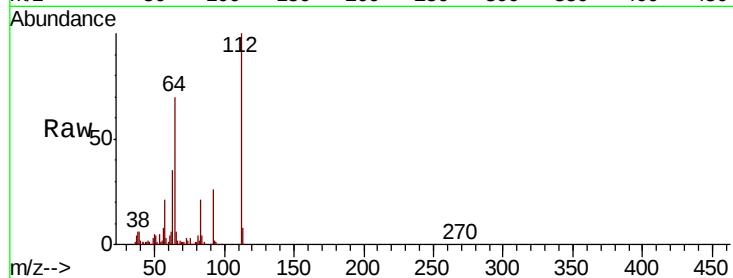
Tot Ion:112 Resp: 143957

Ion Ratio Lower Upper

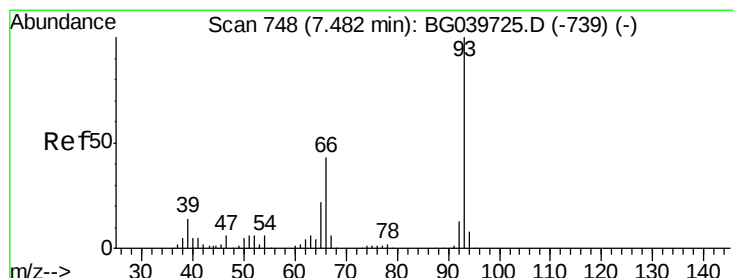
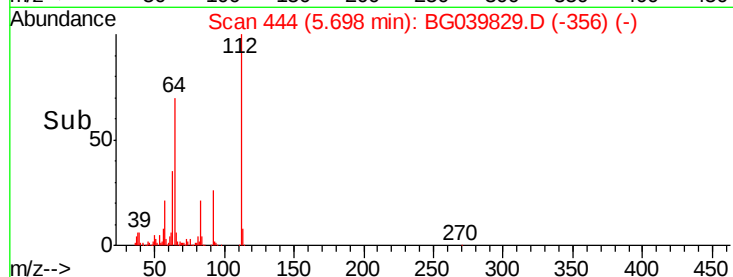
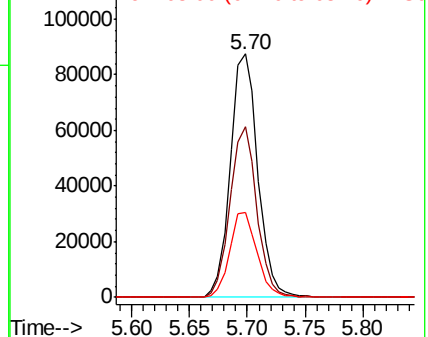
112 100

64 70.0 57.8 86.8

63 34.9 29.8 44.6



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



#6

Aniline

Concen: 0.077 ng

RT: 7.67 min Scan# 780

Delta R.T. 0.18 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

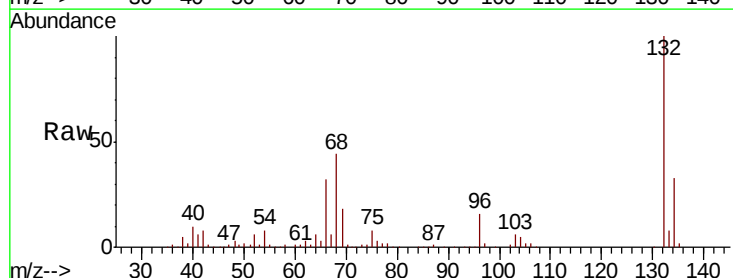
Tgt Ion: 93 Resp: 356

Ion Ratio Lower Upper

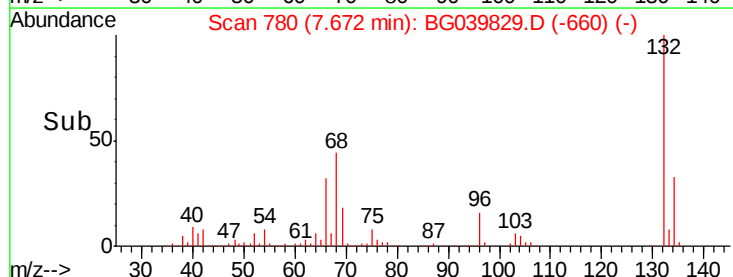
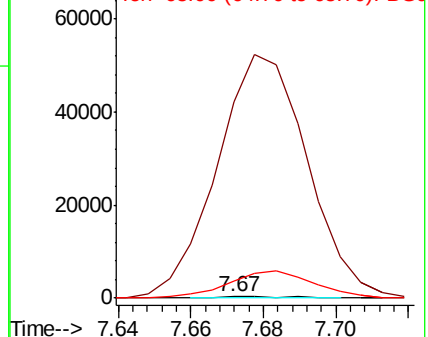
93 100

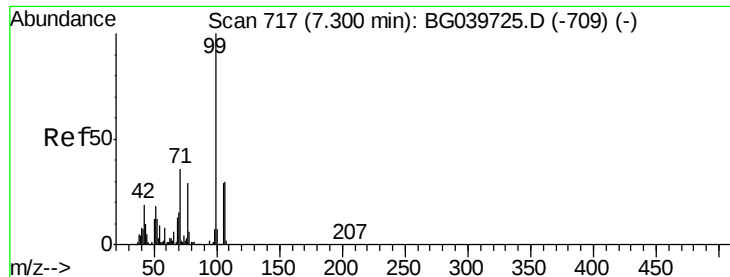
66 15346.0 34.2 51.4#

65 1289.8 17.7 26.5#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 37.259 ng

RT: 7.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

Instrument :

BNA_G

ClientSampled :

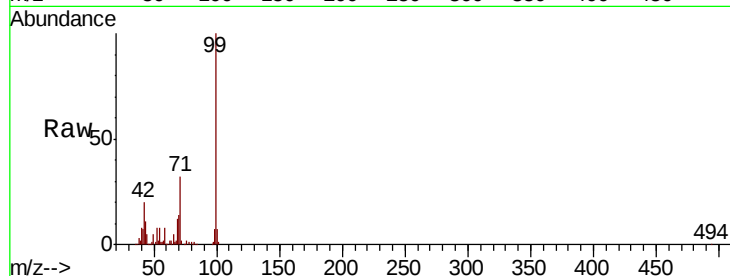
Tot Ion: 99 Resp: 130750

Ion Ratio Lower Upper

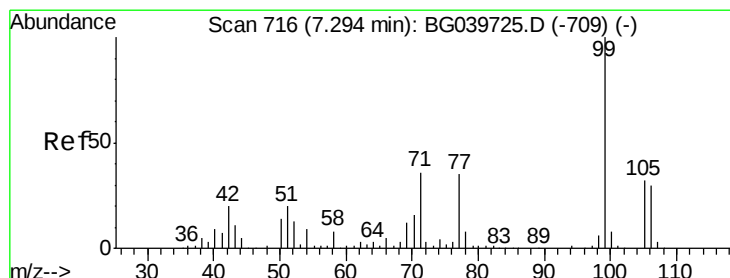
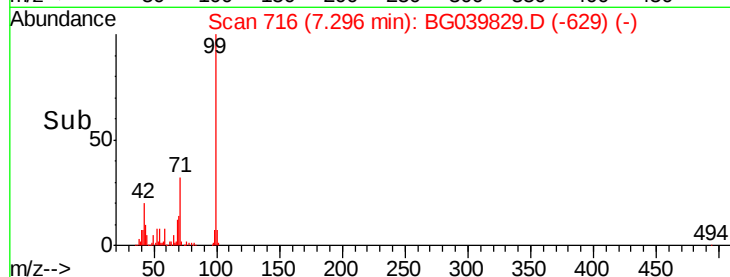
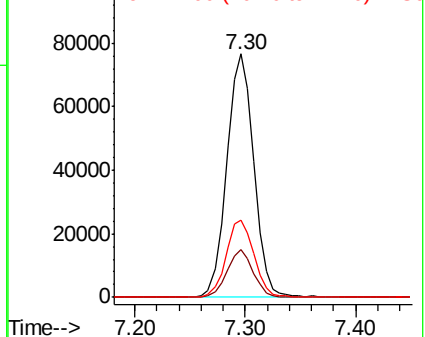
99 100

42 19.5 18.2 27.2

71 31.9 28.0 42.0



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



#9

Benzaldehyde

Concen: 0.038 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

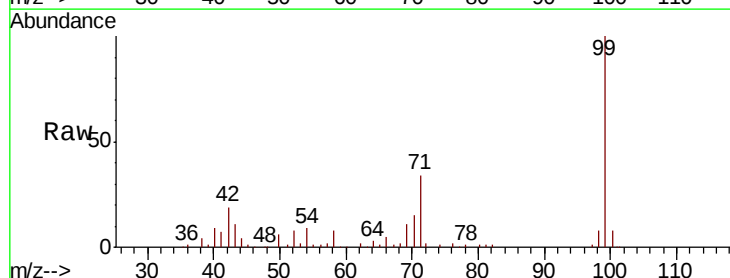
Tgt Ion: 77 Resp: 87

Ion Ratio Lower Upper

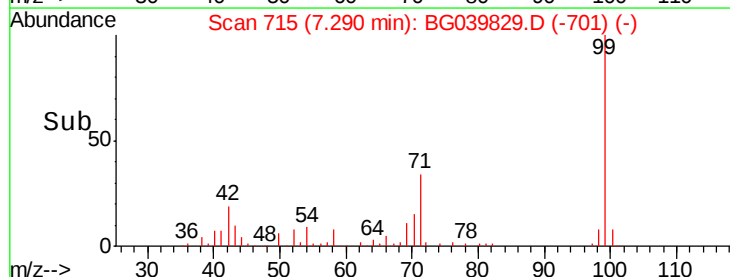
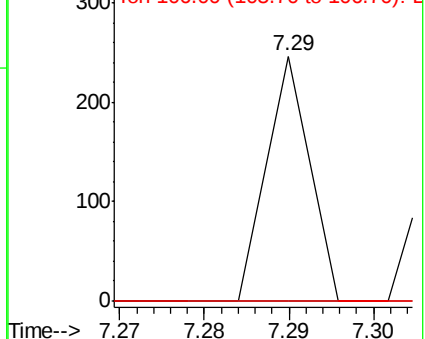
77 100

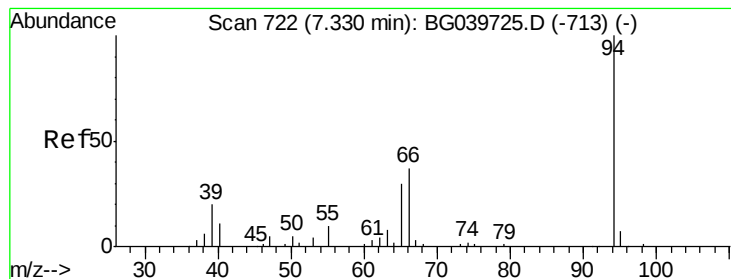
105 0.0 74.5 114.5#

106 0.0 68.0 108.0#



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





#10

Phenol

Concen: 0.238 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

Instrument :

BNA_G

ClientSampled :

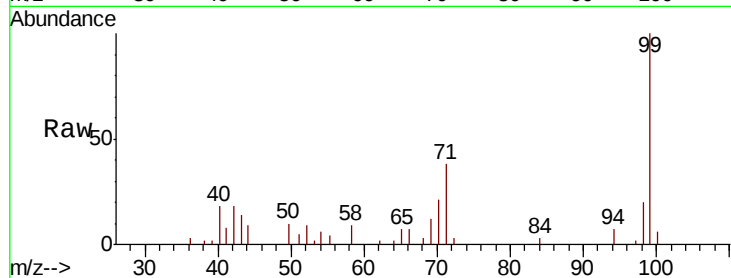
Tot Ion: 94 Resp: 906

Ion Ratio Lower Upper

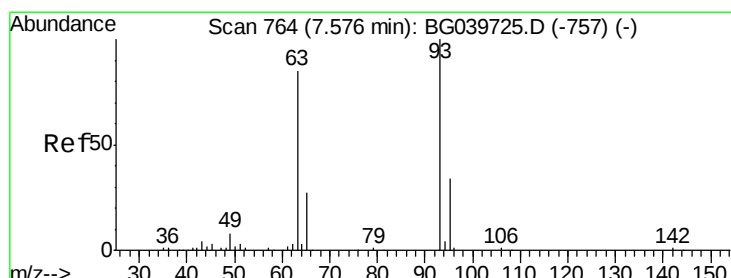
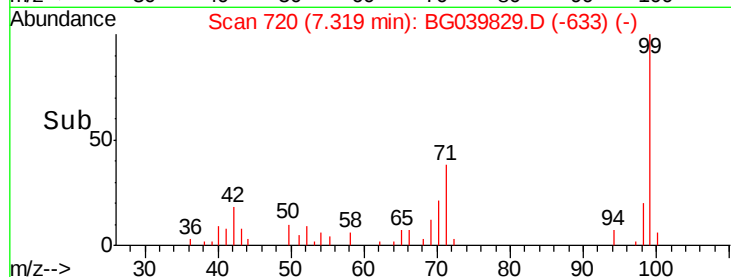
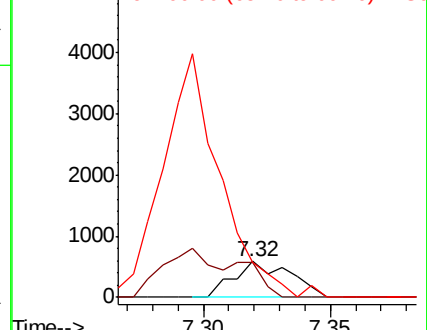
94 100

65 96.8 11.7 51.7#

66 97.6 23.7 63.7#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#11

bis(2-Chloroethyl)ether

Concen: 0.120 ng

RT: 7.67 min Scan# 780

Delta R.T. 0.09 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

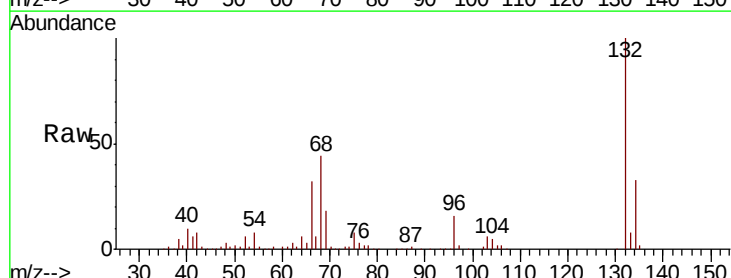
Tgt Ion: 93 Resp: 356

Ion Ratio Lower Upper

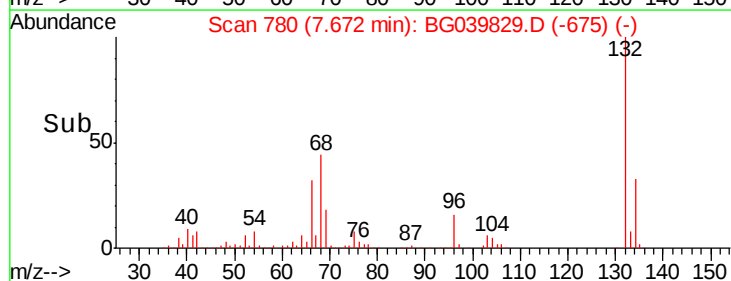
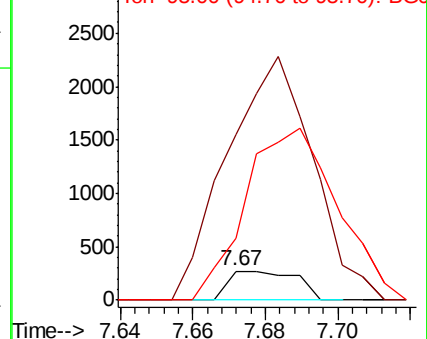
93 100

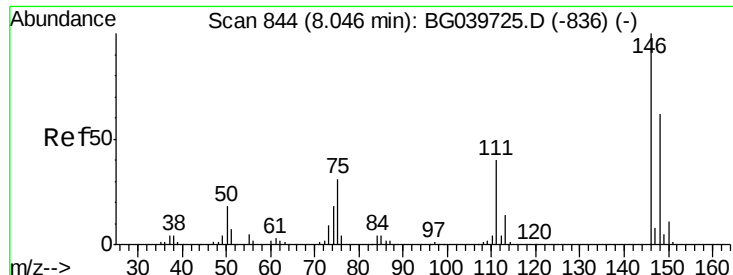
63 567.9 69.5 109.5#

95 212.0 12.7 52.7#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC





#12

1,3-Dichlorobenzene

Concen: 0.017 ng

RT: 8.51 min Scan# 923

Delta R.T. 0.46 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

Instrument :

BNA_G

ClientSampleId :

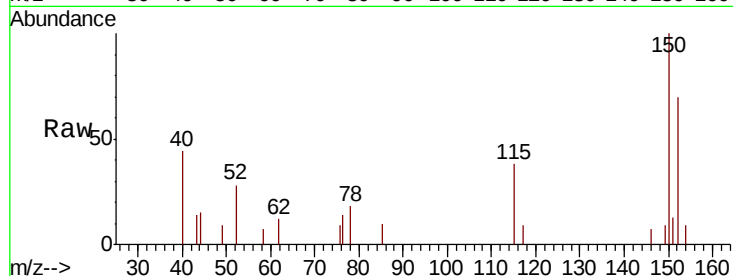
Tot Ion:146 Resp: 56

Ion Ratio Lower Upper

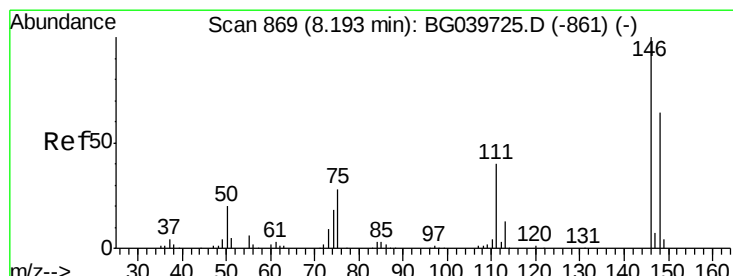
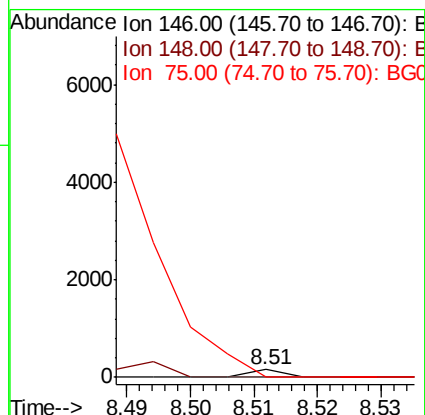
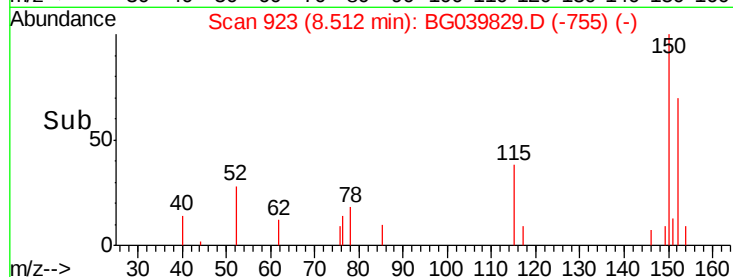
146 100

148 0.0 52.6 79.0#

75 0.0 25.8 38.6#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BGC



#13

1,4-Dichlorobenzene

Concen: 0.017 ng

RT: 8.51 min Scan# 923

Delta R.T. 0.31 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

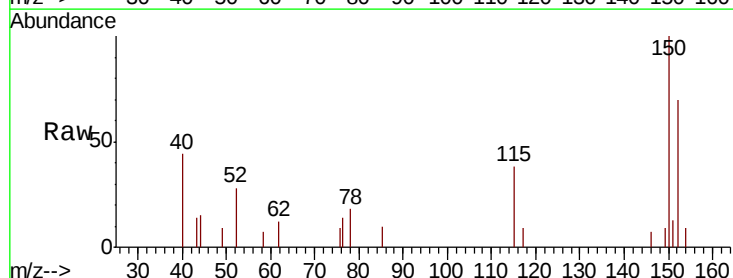
Tgt Ion:146 Resp: 56

Ion Ratio Lower Upper

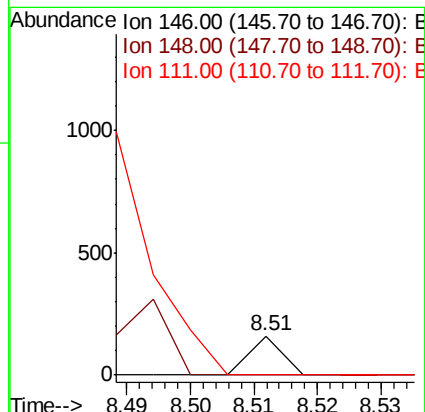
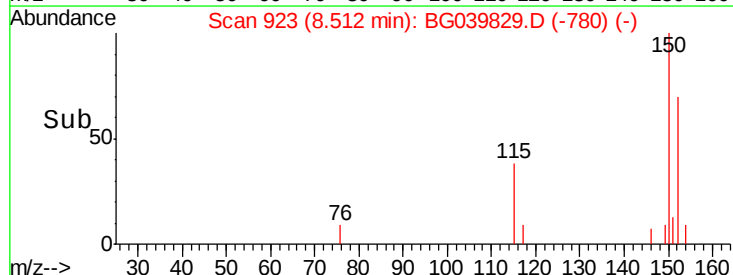
146 100

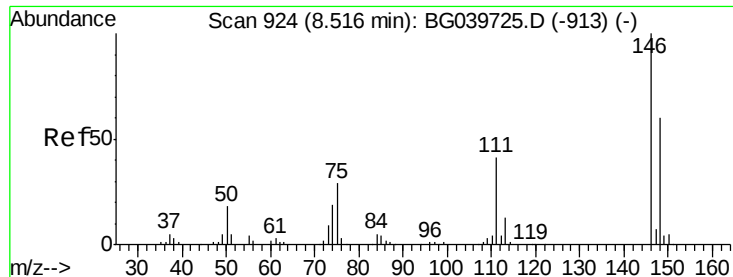
148 0.0 51.1 76.7#

111 0.0 32.6 48.8#



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





#14

1,2-Dichlorobenzene

Concen: 0.018 ng

RT: 8.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

Instrument :

BNA_G

ClientSampled :

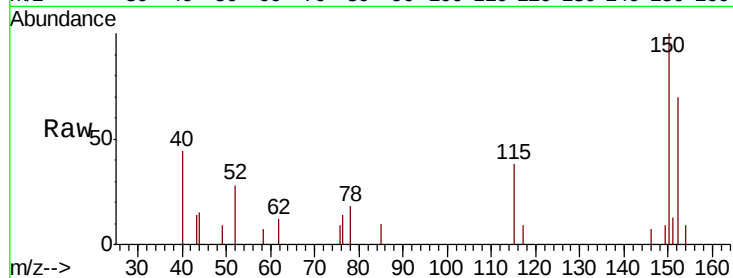
Tot Ion:146 Resp: 56

Ion Ratio Lower Upper

146 100

148 0.0 51.5 77.3#

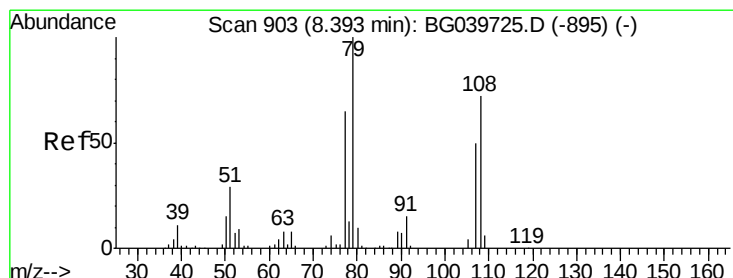
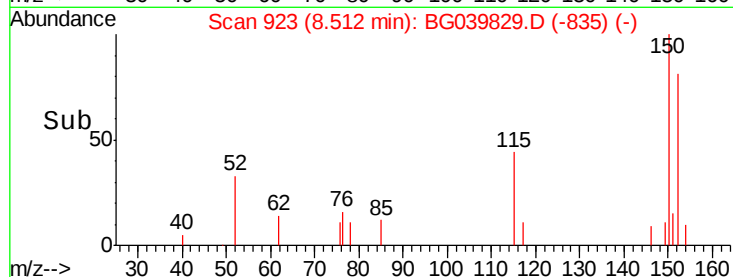
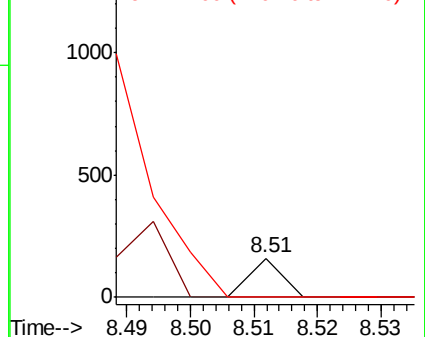
111 0.0 33.8 50.6#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 1.606 ng

RT: 8.48 min Scan# 917

Delta R.T. 0.07 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

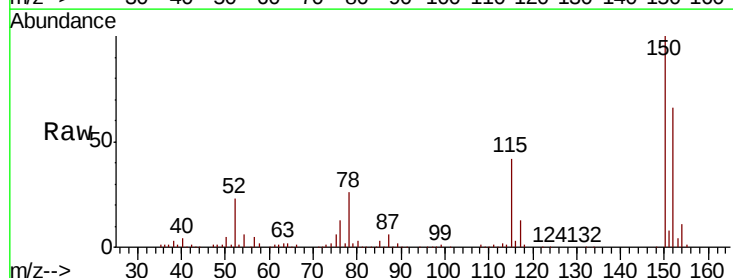
Tgt Ion: 79 Resp: 4471

Ion Ratio Lower Upper

79 100

108 28.8 57.8 86.6#

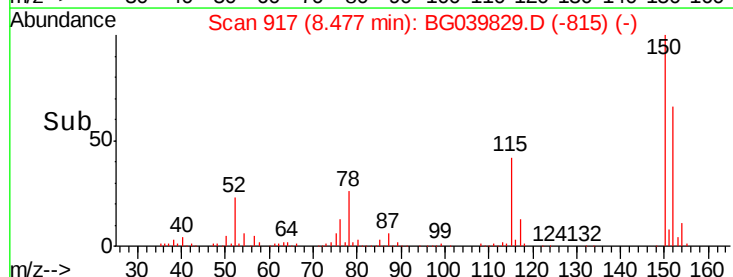
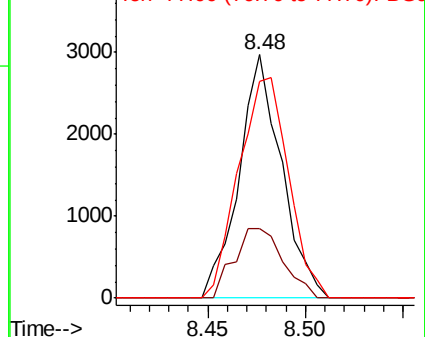
77 88.9 51.1 76.7#

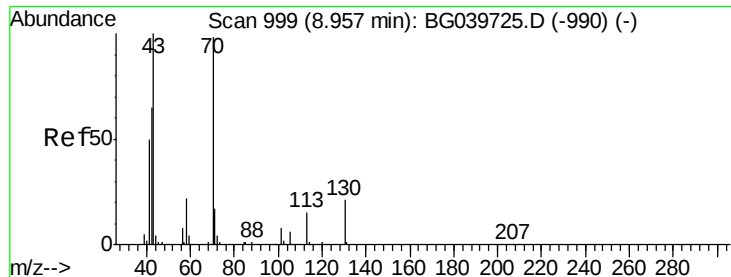


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 16.183 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.37 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 40877

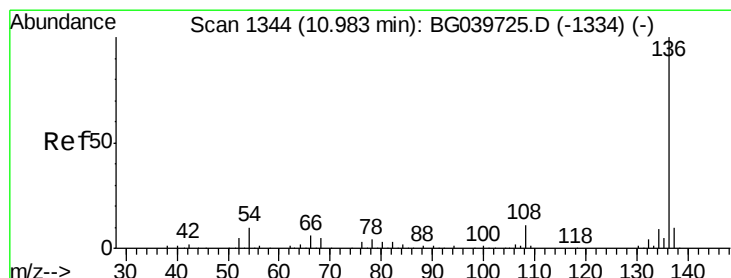
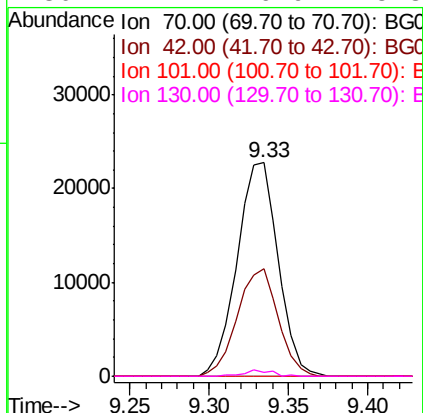
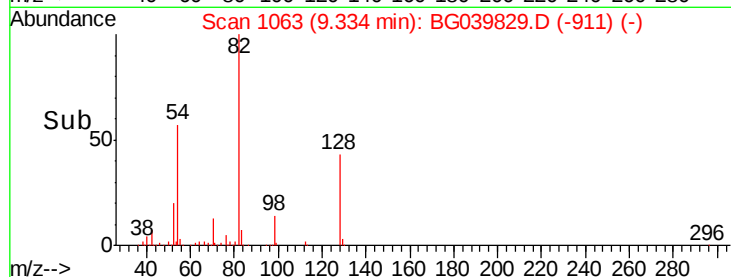
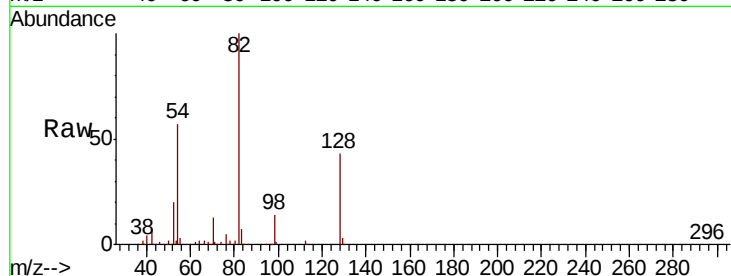
Ion Ratio Lower Upper

70 100

42 50.1 60.4 90.6#

101 0.0 7.5 11.3#

130 1.7 16.9 25.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.97 min Scan# 1342

Delta R.T. -0.02 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

Tgt Ion: 136 Resp: 177193

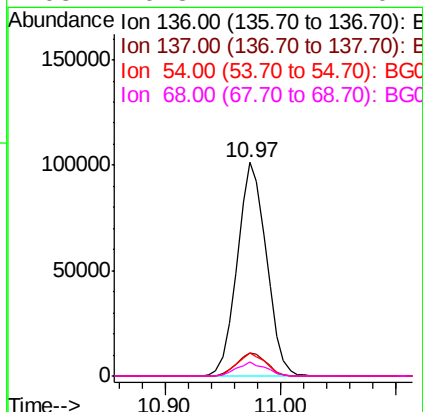
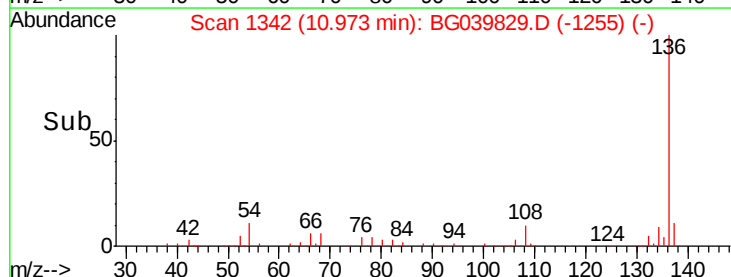
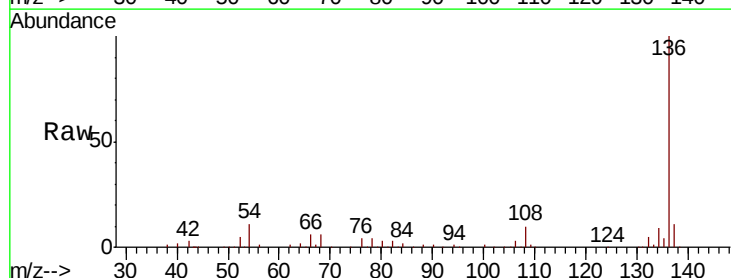
Ion Ratio Lower Upper

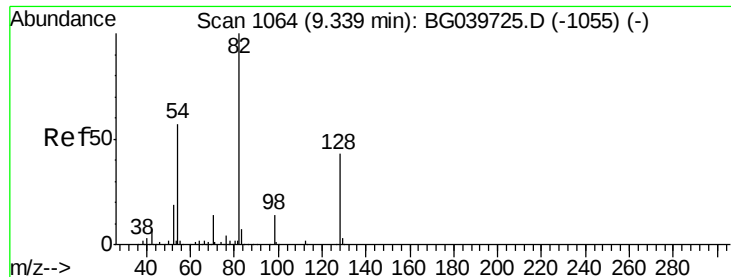
136 100

137 10.5 9.1 13.7

54 10.8 9.4 14.2

68 6.3 4.2 6.4

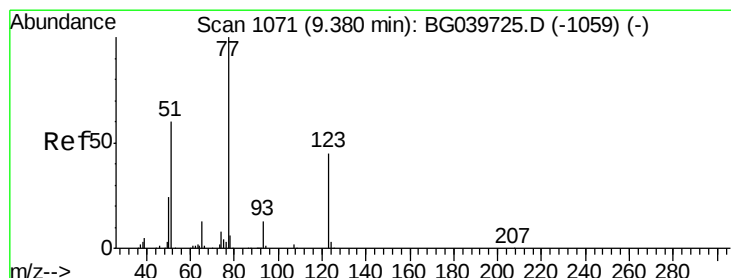
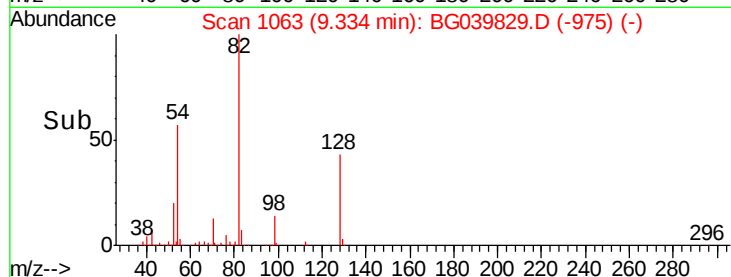
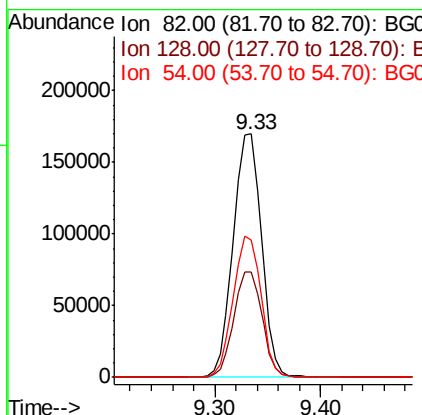
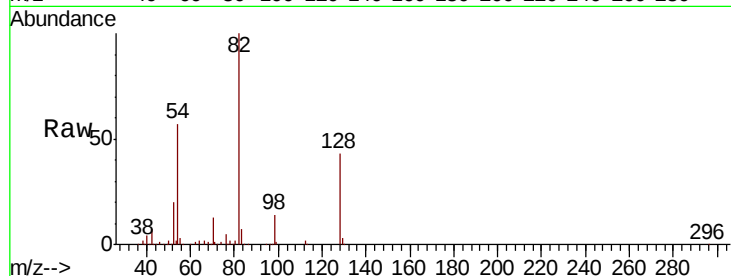




#23
 Nitrobenzene-d5
 Concen: 96.327 ng
 RT: 9.33 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: BG039829.D
 Acq: 8 Mar 2019 20:13

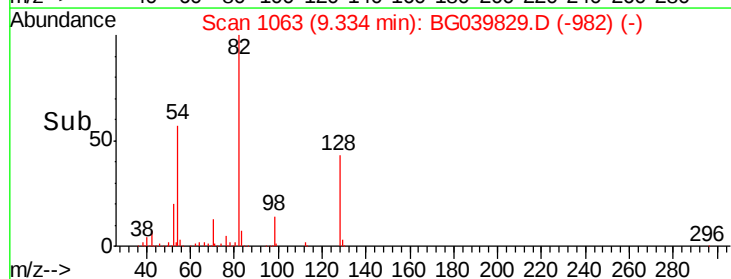
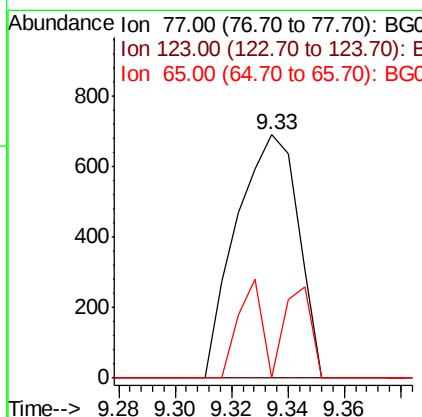
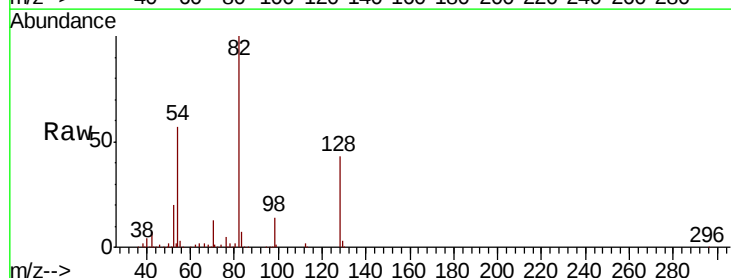
Instrument :
 BNA_G
 ClientSampled :

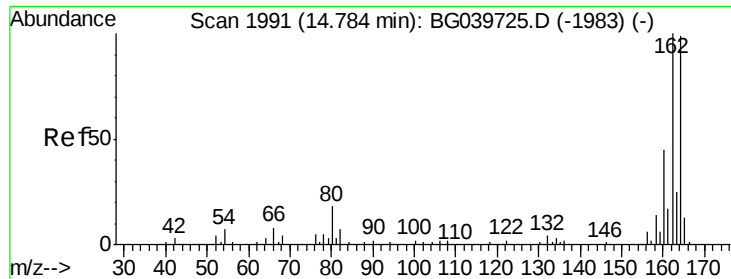
Tot Ion	82	Resp	315590
Ion Ratio	Lower	Upper	
82	100		
128	43.5	31.3	46.9
54	56.7	50.9	76.3



#24
 Nitrobenzene
 Concen: 0.304 ng
 RT: 9.33 min Scan# 1063
 Delta R.T. -0.05 min
 Lab File: BG039829.D
 Acq: 8 Mar 2019 20:13

Tgt Ion	77	Resp	1046
Ion Ratio	Lower	Upper	
77	100		
123	0.0	34.1	51.1#
65	0.0	12.3	18.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

Instrument :

BNA_G

ClientSampled :

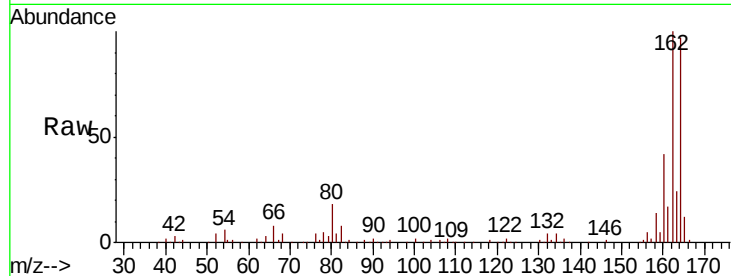
Tot Ion:164 Resp: 126278

Ion Ratio Lower Upper

164 100

162 103.3 81.6 122.4

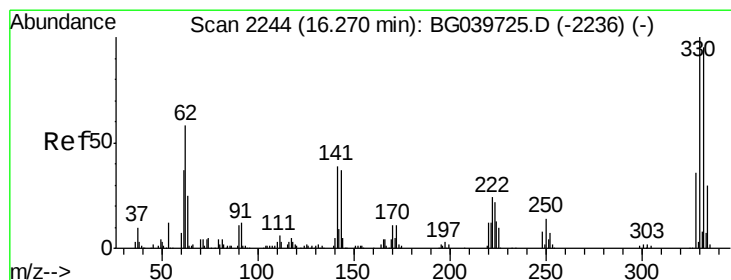
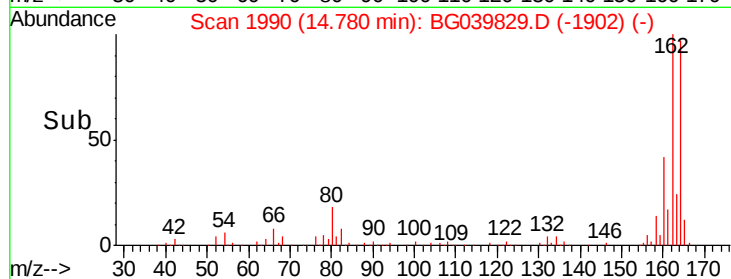
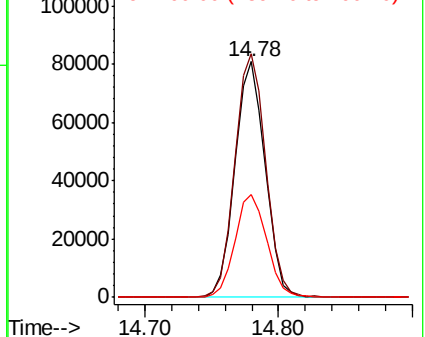
160 43.6 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 139.073 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

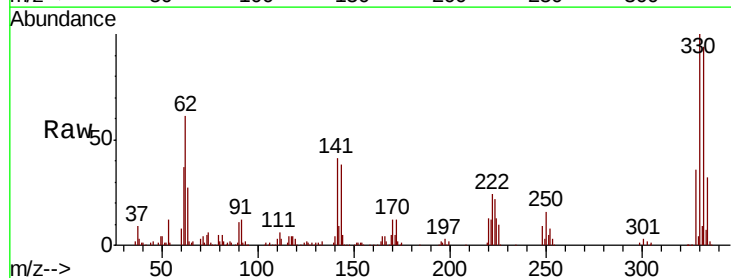
Tgt Ion:330 Resp: 204696

Ion Ratio Lower Upper

330 100

332 93.7 75.7 113.5

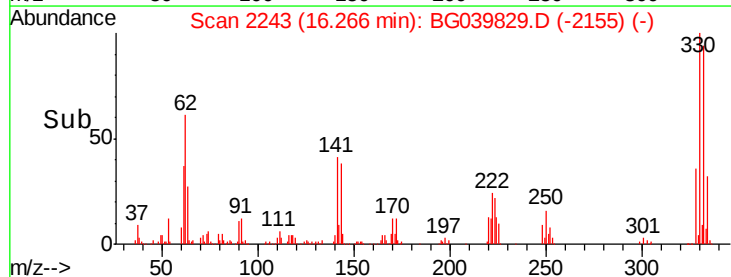
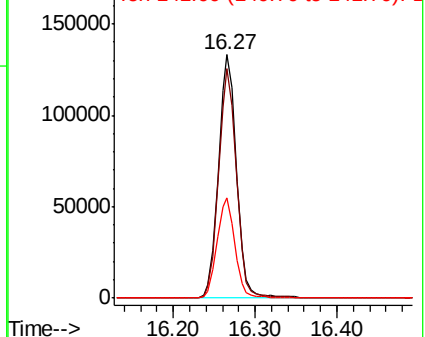
141 41.0 35.6 53.4

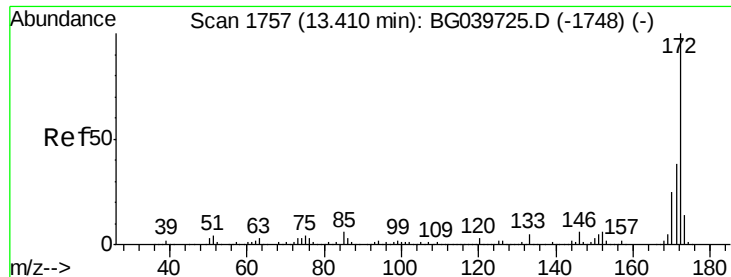


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

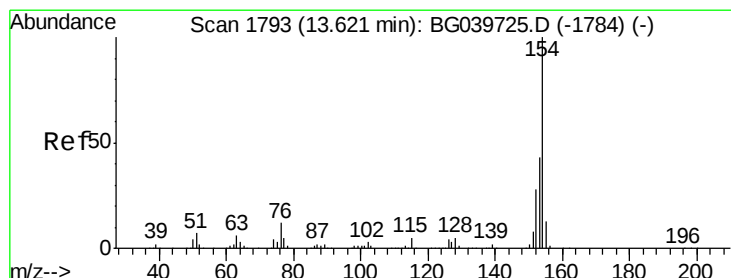
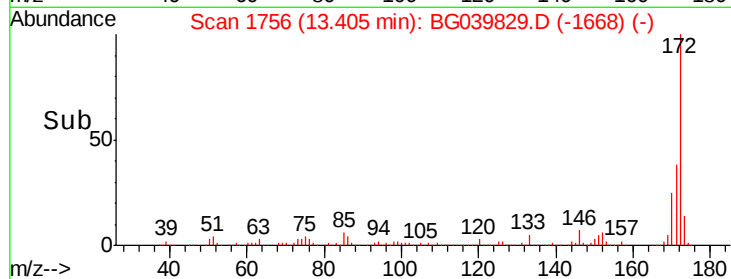
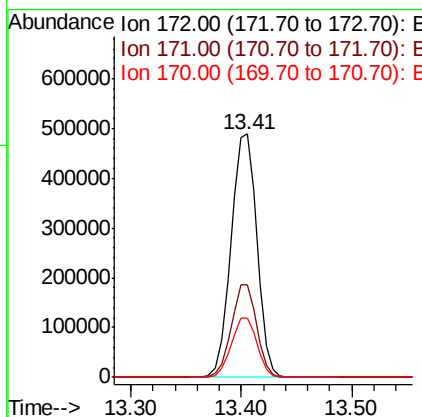
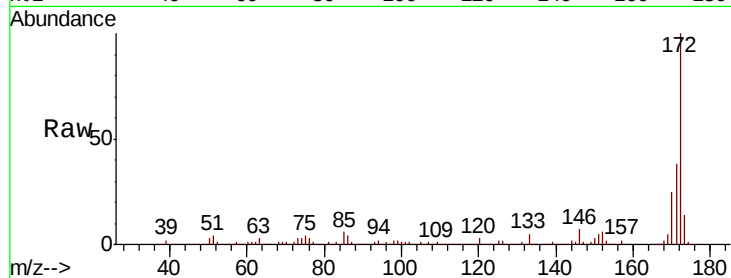




#45
2-Fluorobiphenyl
Concen: 90.643 ng
RT: 13.41 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BG039829.D
Acq: 8 Mar 2019 20:13

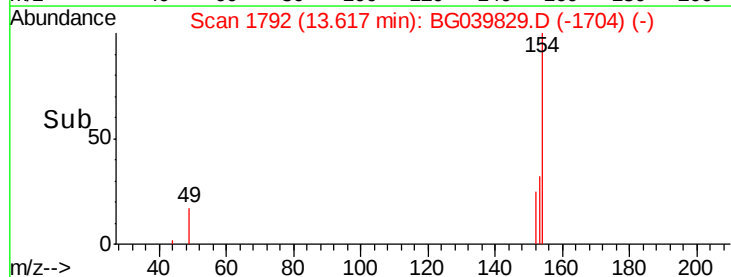
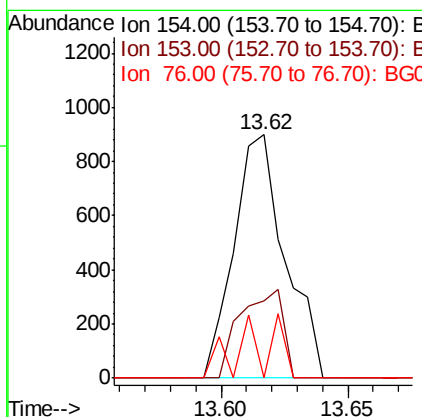
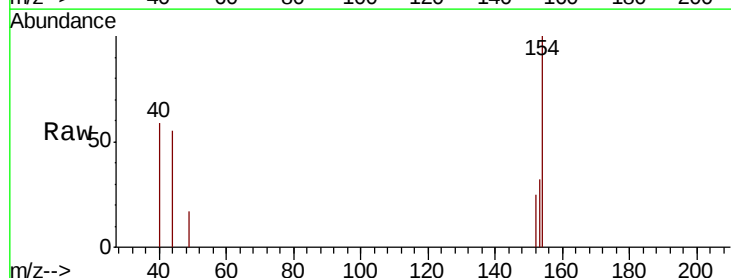
Instrument :
BNA_G
ClientSampleId :

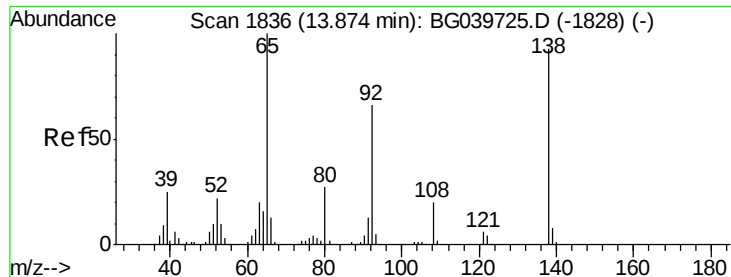
Tot Ion:172 Resp: 803904
Ion Ratio Lower Upper
172 100
171 38.1 30.8 46.2
170 24.6 20.2 30.4



#46
1,1'-Biphenyl
Concen: 0.122 ng
RT: 13.62 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BG039829.D
Acq: 8 Mar 2019 20:13

Tgt Ion:154 Resp: 1264
Ion Ratio Lower Upper
154 100
153 31.8 22.1 62.1
76 0.0 0.0 32.4

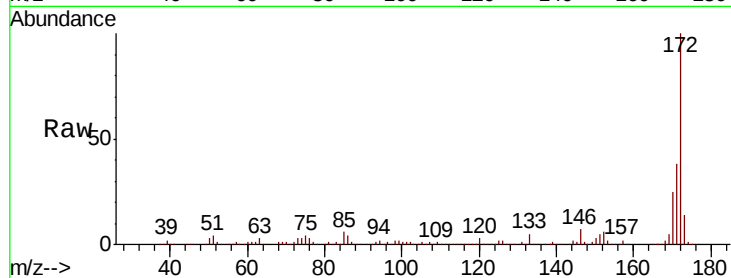




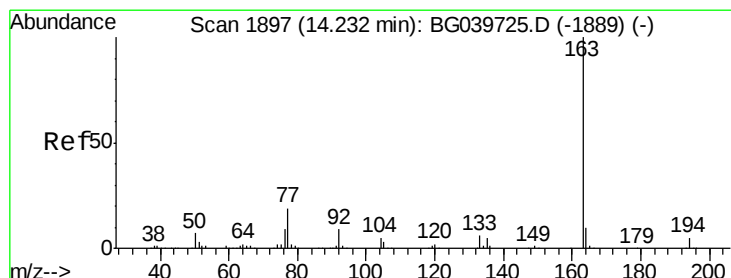
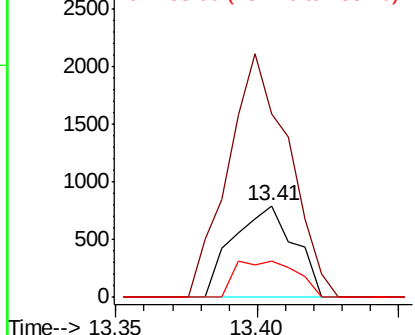
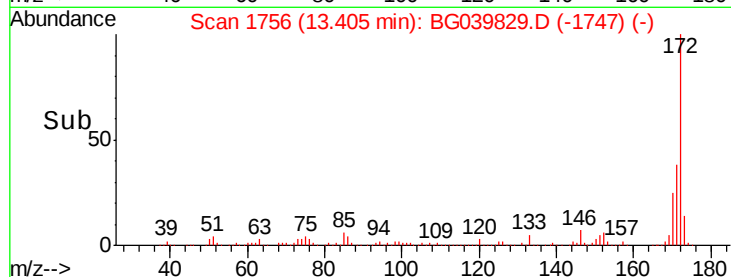
#48
 2-Nitroaniline
 Concen: 0.476 ng
 RT: 13.41 min Scan# 1756
 Delta R.T. -0.47 min
 Lab File: BG039829.D
 Acq: 8 Mar 2019 20:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 65 Resp: 1194
 Ion Ratio Lower Upper
 65 100
 92 201.1 51.4 77.2#
 138 39.8 71.4 107.2#

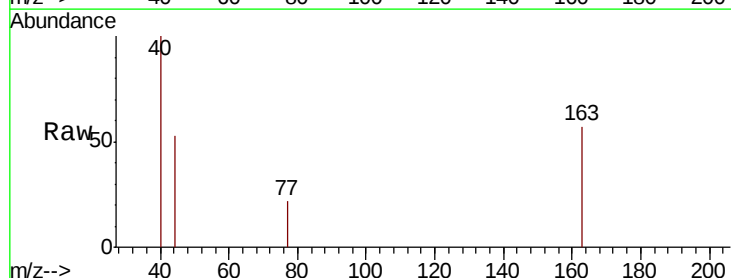


Abundance Ion 65.00 (64.70 to 65.70): BG039829.D (-1747) (-)
 Ion 92.00 (91.70 to 92.70): BG039829.D (-1747) (-)
 Ion 138.00 (137.70 to 138.70): BG039829.D (-1747) (-)

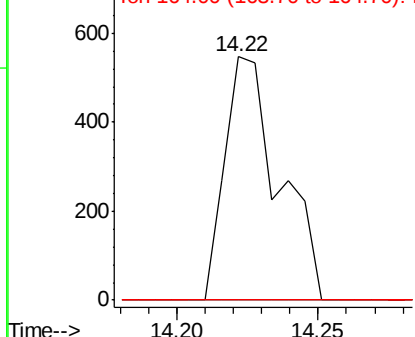
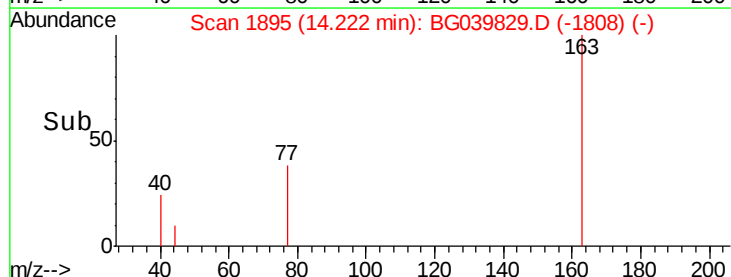


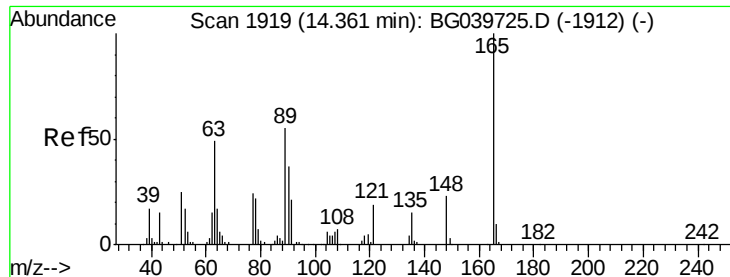
#50
 Dimethylphthalate
 Concen: 0.069 ng
 RT: 14.22 min Scan# 1895
 Delta R.T. -0.02 min
 Lab File: BG039829.D
 Acq: 8 Mar 2019 20:13

Tgt Ion:163 Resp: 728
 Ion Ratio Lower Upper
 163 100
 194 0.0 3.6 5.4#
 164 0.0 8.4 12.6#



Abundance Ion 163.00 (162.70 to 163.70): BG039829.D (-1808) (-)
 Ion 194.00 (193.70 to 194.70): BG039829.D (-1808) (-)
 Ion 164.00 (163.70 to 164.70): BG039829.D (-1808) (-)

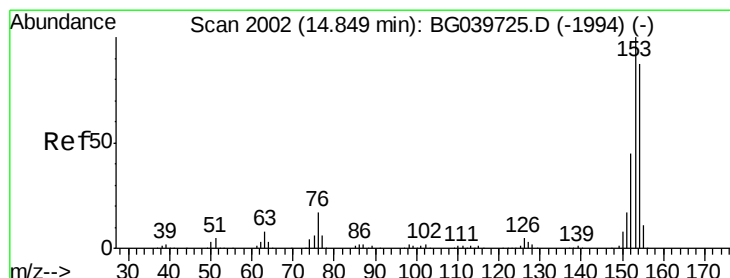
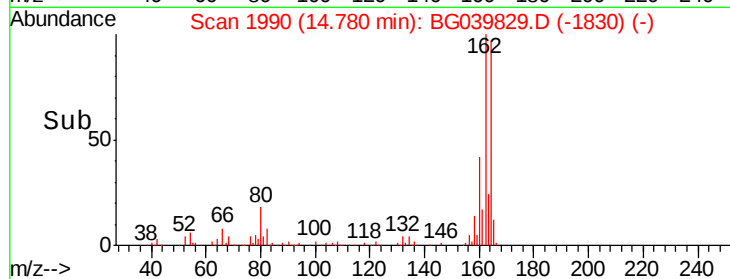
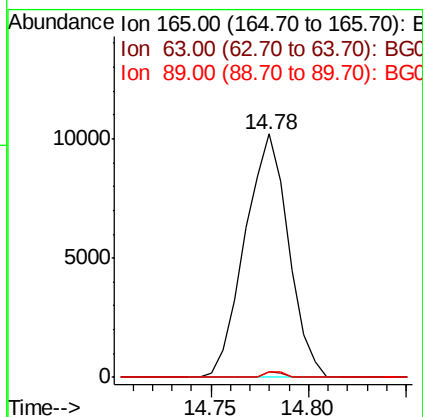
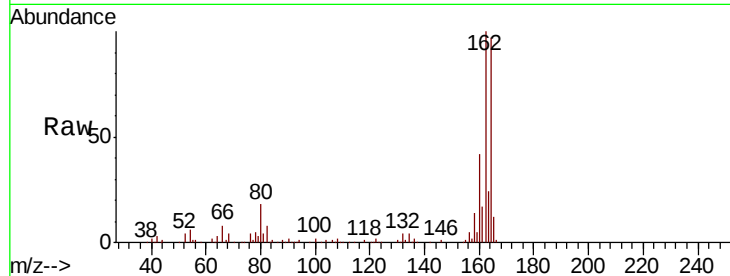




#51
 2,6-Dinitrotoluene
 Concen: 7.032 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.41 min
 Lab File: BG039829.D
 Acq: 8 Mar 2019 20:13

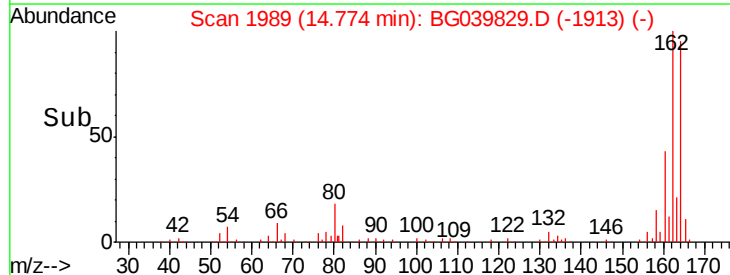
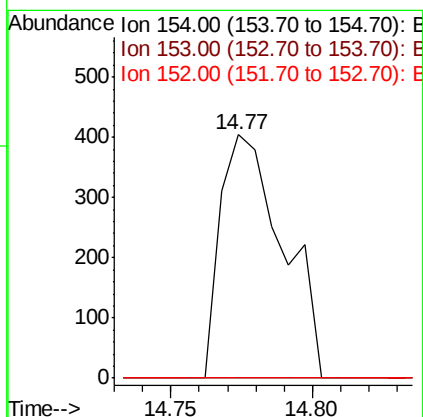
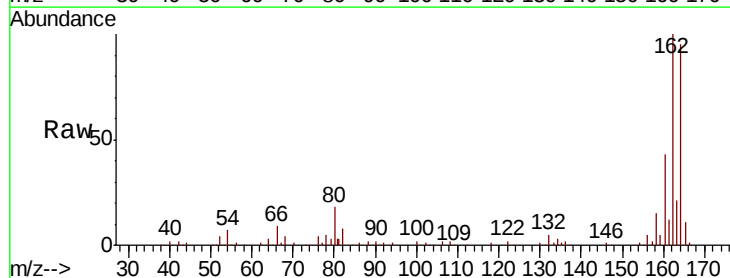
Instrument :
 BNA_G
 ClientSampleID :

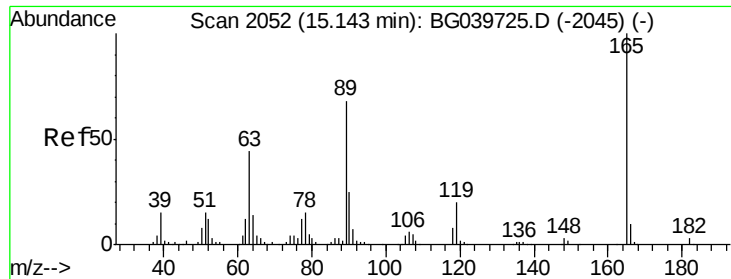
Tot Ion:165 Resp: 15741
 Ion Ratio Lower Upper
 165 100
 63 2.2 47.0 70.6#
 89 2.5 45.8 68.8#



#52
 Acenaphthene
 Concen: 0.080 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.08 min
 Lab File: BG039829.D
 Acq: 8 Mar 2019 20:13

Tgt Ion:154 Resp: 619
 Ion Ratio Lower Upper
 154 100
 153 0.0 90.1 135.1#
 152 0.0 40.9 61.3#

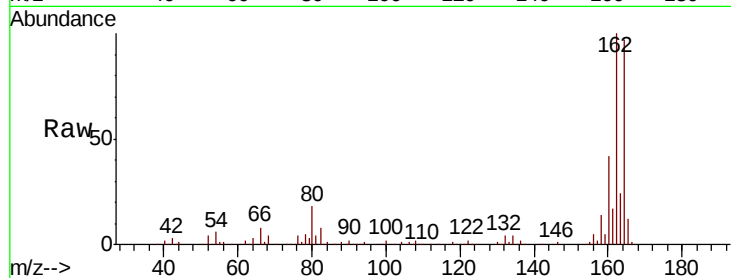




#57
 2,4-Dinitrotoluene
 Concen: 5.005 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.37 min
 Lab File: BG039829.D
 Acq: 8 Mar 2019 20:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	15741
Ion Ratio	Lower	Upper
165	100	
63	2.2	41.0 61.6#
89	2.5	64.6 96.8#
182	0.0	2.0 3.0#



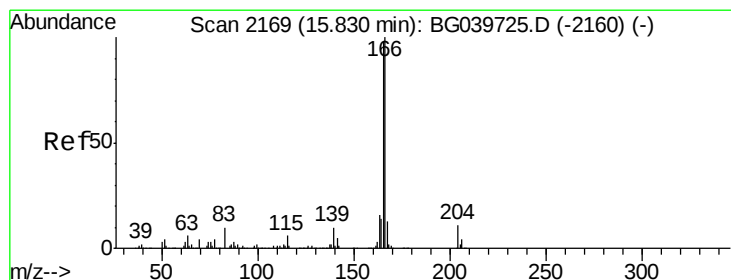
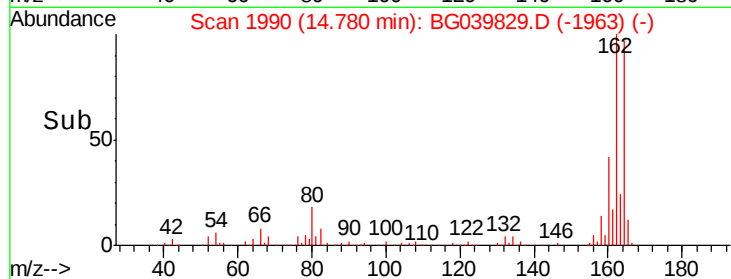
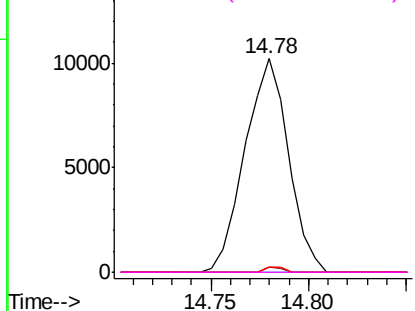
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

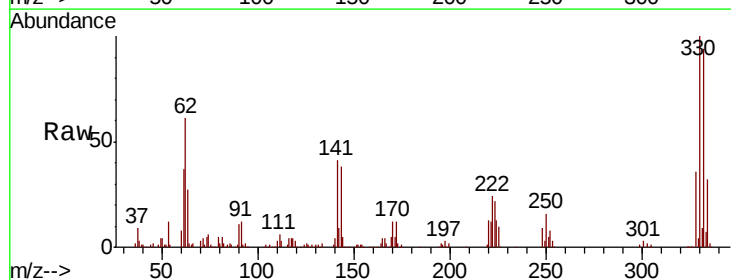
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#58
 Fluorene
 Concen: 0.873 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. 0.43 min
 Lab File: BG039829.D
 Acq: 8 Mar 2019 20:13

Tgt Ion:166	Resp:	8693
Ion Ratio	Lower	Upper
166	100	
165	100.9	77.9 116.9
167	36.4	10.8 16.2#

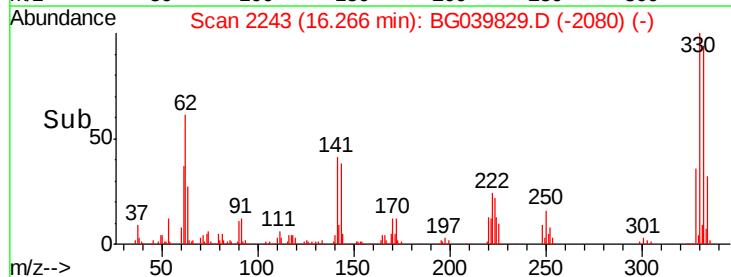
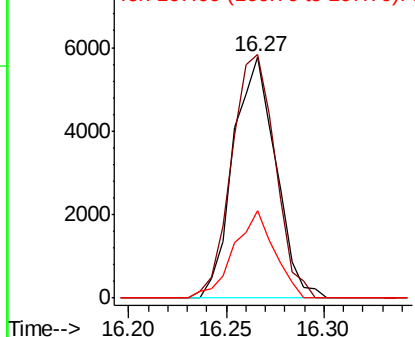


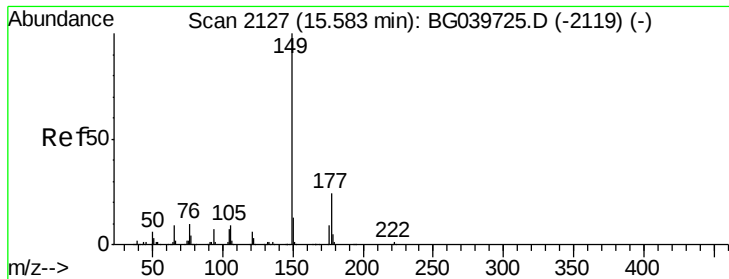
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

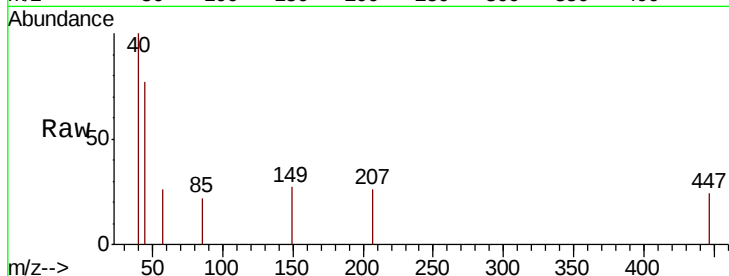




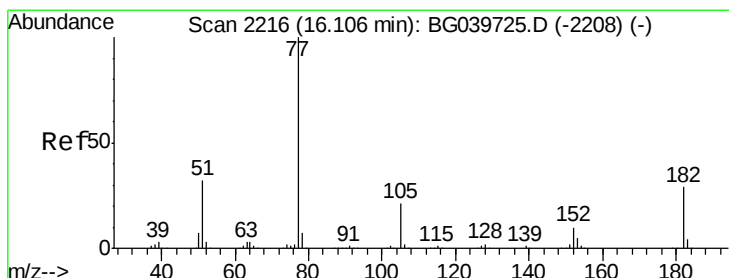
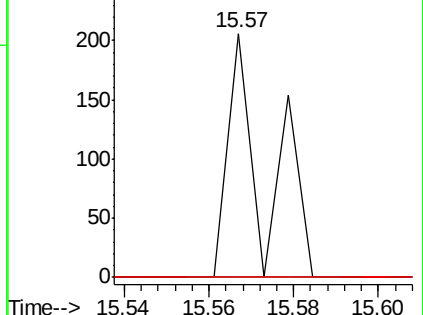
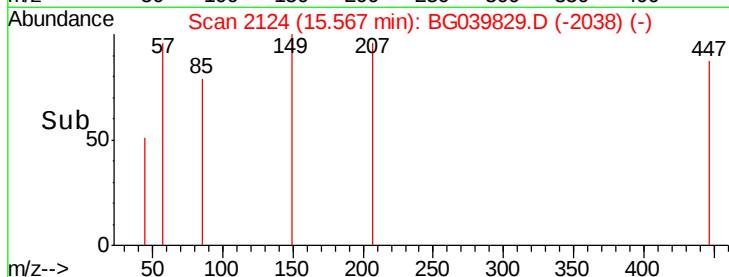
#60
Diethylphthalate
Concen: 0.012 ng
RT: 15.57 min Scan# 2124
Delta R.T. -0.02 min
Lab File: BG039829.D
Acq: 8 Mar 2019 20:13

Instrument :
BNA_G
ClientSampled :

Tot Ion:149 Resp: 127
Ion Ratio Lower Upper
149 100
177 0.0 18.3 27.5#
150 0.0 10.2 15.2#

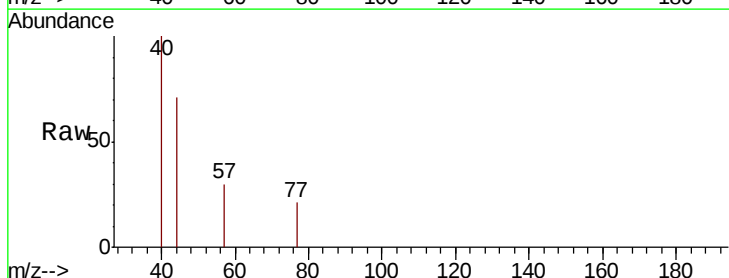


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

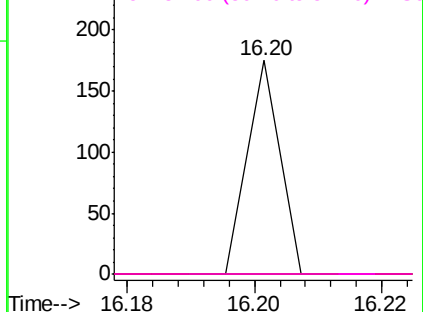
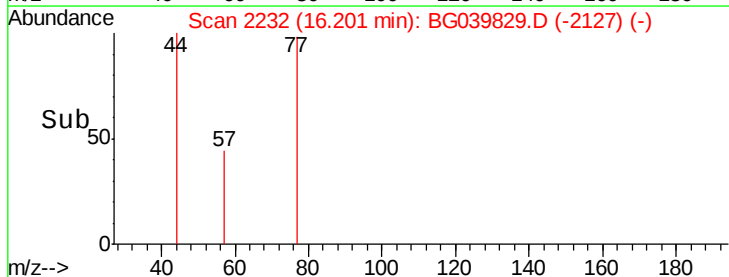


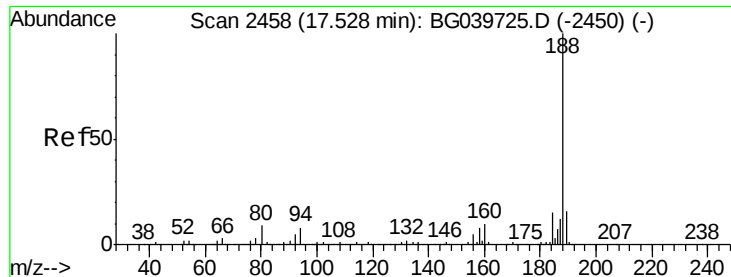
#63
Azobenzene
Concen: 0.007 ng
RT: 16.20 min Scan# 2232
Delta R.T. 0.09 min
Lab File: BG039829.D
Acq: 8 Mar 2019 20:13

Tgt Ion: 77 Resp: 62
Ion Ratio Lower Upper
77 100
182 0.0 6.4 46.4#
105 0.0 0.0 39.8
51 0.0 14.1 54.1#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BGC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

Instrument :

BNA_G

ClientSampled :

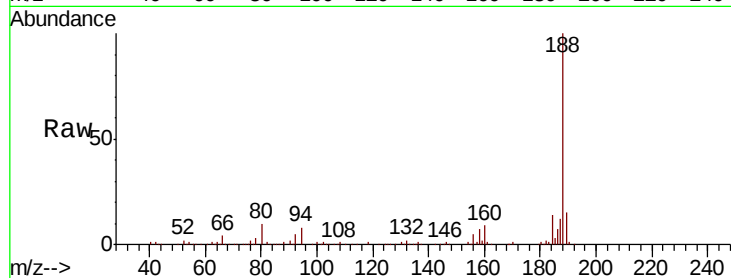
Tot Ion:188 Resp: 310607

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

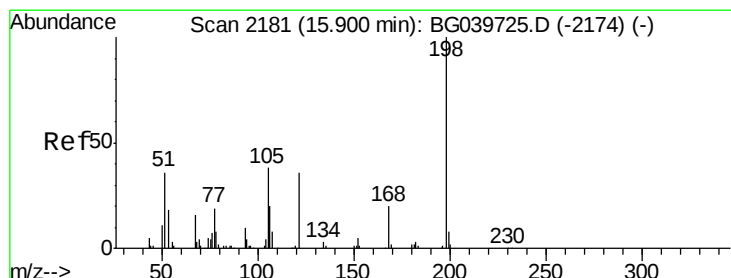
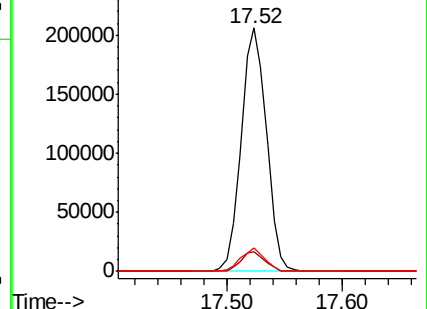
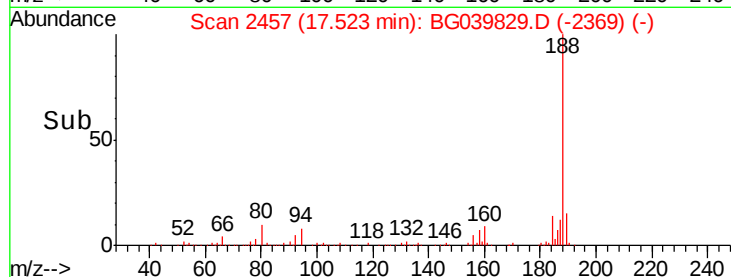
80 9.6 8.1 12.1



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: 0.382 ng

RT: 16.27 min Scan# 2243

Delta R.T. 0.36 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

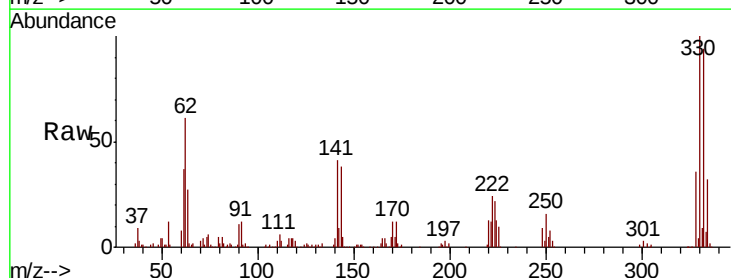
Tgt Ion:198 Resp: 702

Ion Ratio Lower Upper

198 100

51 133.5 27.4 67.4#

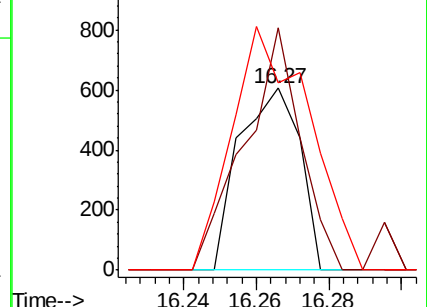
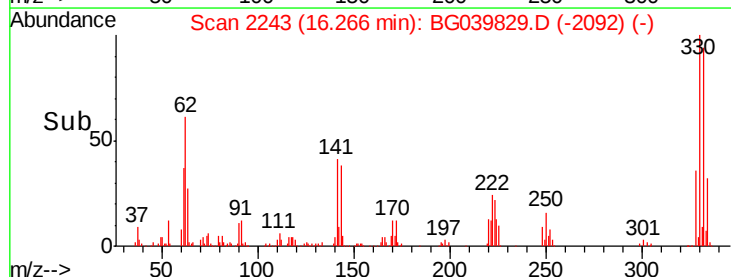
105 103.0 19.7 59.7#

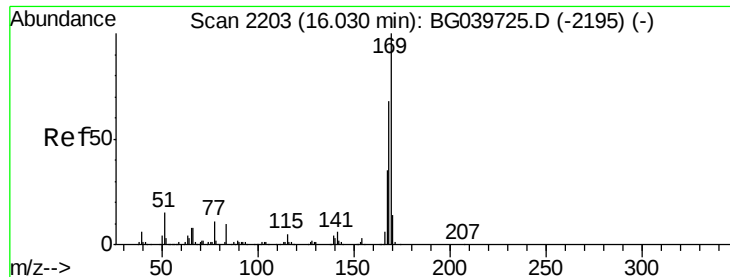


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

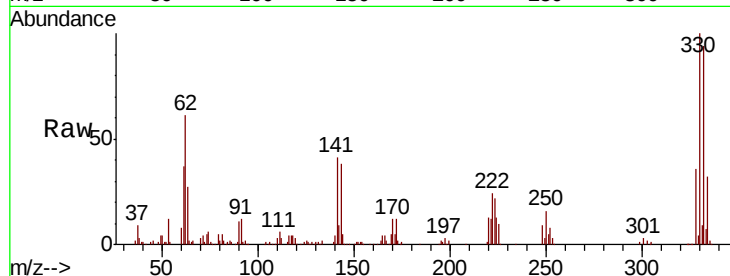




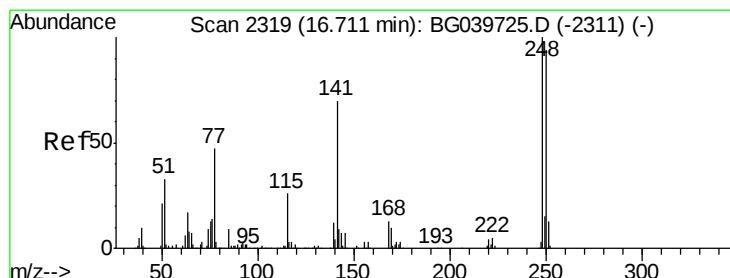
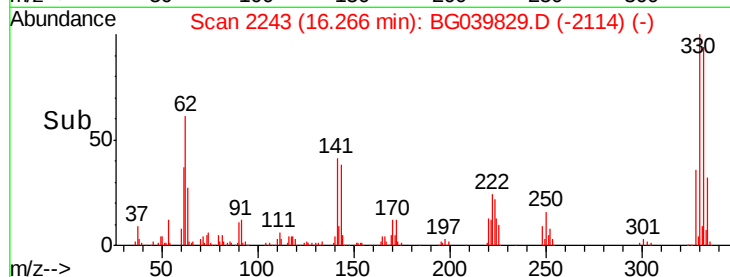
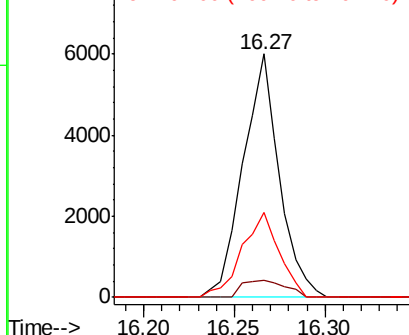
#66
 n-Nitrosodiphenylamine
 Concen: 0.923 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. 0.23 min
 Lab File: BG039829.D
 Acq: 8 Mar 2019 20:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:169 Resp: 8297
 Ion Ratio Lower Upper
 169 100
 168 7.1 56.6 85.0#
 167 35.0 28.8 43.2

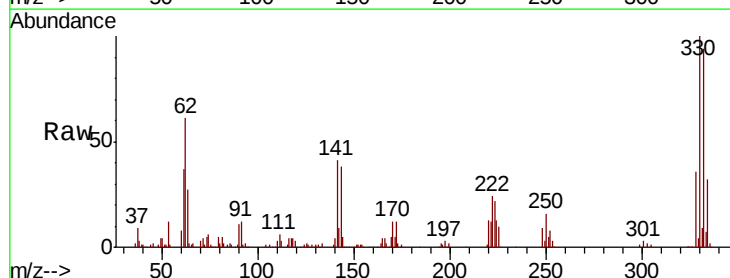


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

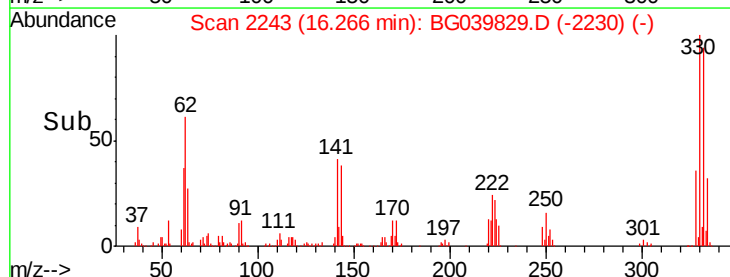
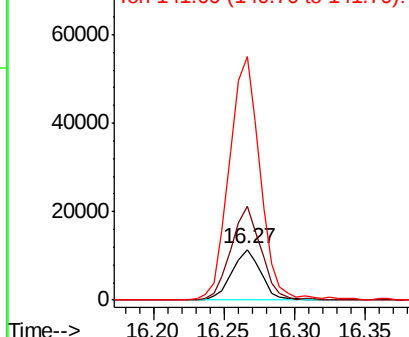


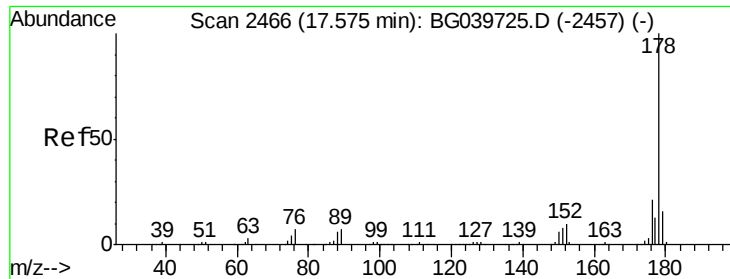
#67
 4-Bromophenyl-phenylether
 Concen: 4.736 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG039829.D
 Acq: 8 Mar 2019 20:13

Tgt Ion:248 Resp: 16466
 Ion Ratio Lower Upper
 248 100
 250 185.1 77.6 116.4#
 141 481.0 63.9 95.9#



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





#71

Phenanthrene

Concen: 0.013 ng

RT: 17.57 min Scan# 2465

Delta R.T. -0.01 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

Instrument :

BNA_G

ClientSampled :

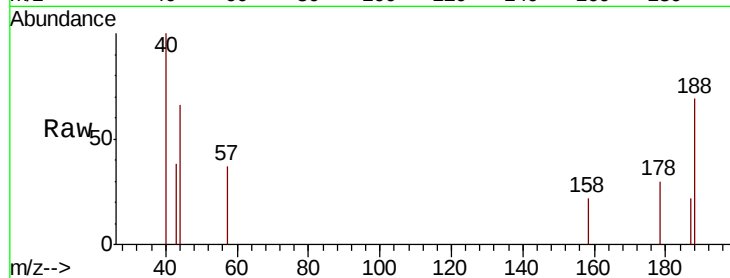
Tot Ion:178 Resp: 228

Ion Ratio Lower Upper

178 100

176 0.0 16.2 24.4#

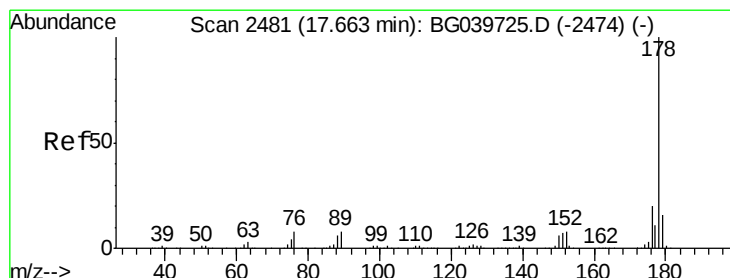
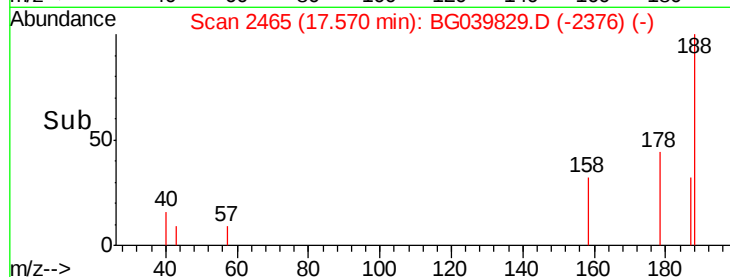
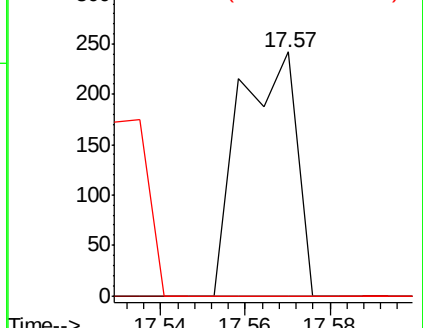
179 0.0 12.6 19.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 0.014 ng

RT: 17.57 min Scan# 2465

Delta R.T. -0.10 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

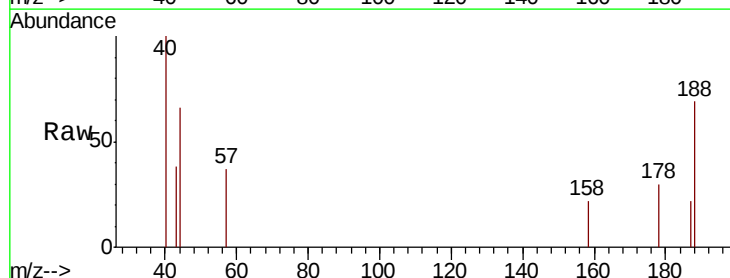
Tgt Ion:178 Resp: 228

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.6#

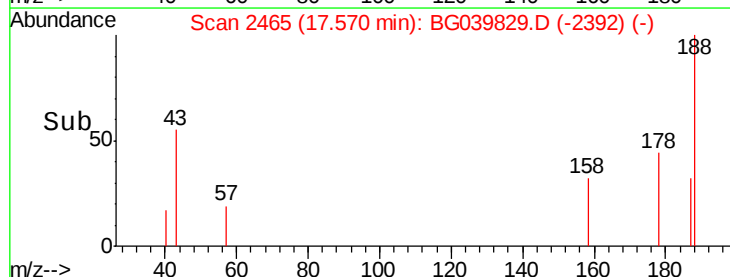
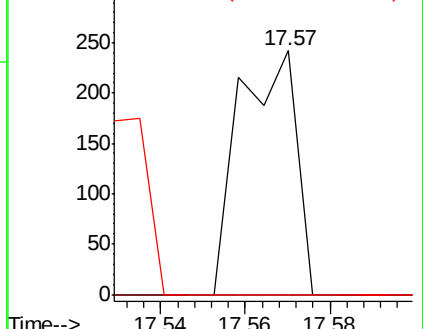
179 0.0 12.5 18.7#

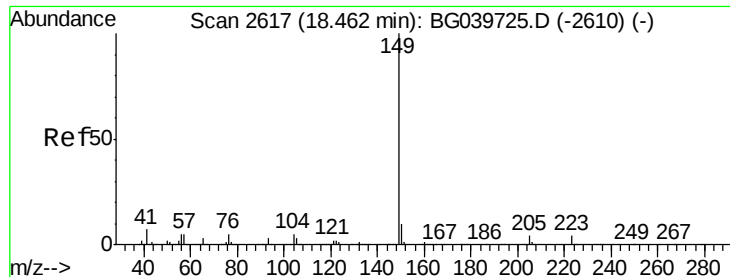


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Di-n-butylphthalate

Concen: 0.021 ng

RT: 18.46 min Scan# 2616

Delta R.T. -0.01 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

Instrument :

BNA_G

ClientSampleId :

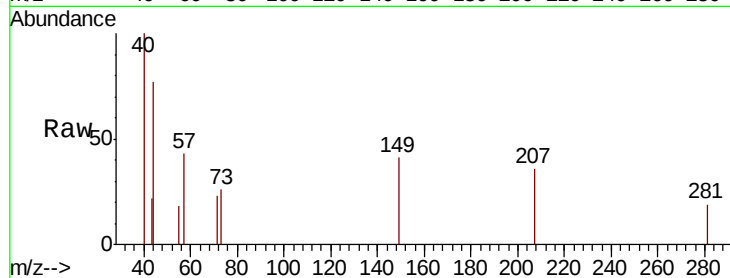
Tot Ion:149 Resp: 363

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

104 0.0 4.5 6.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.46

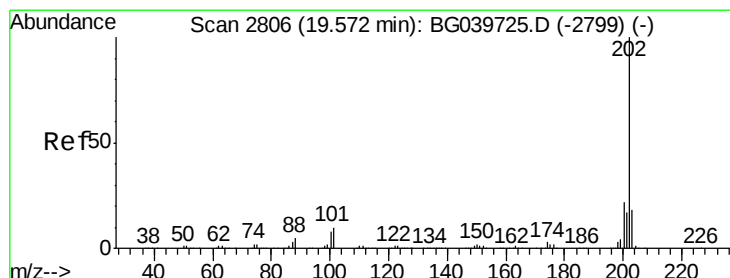
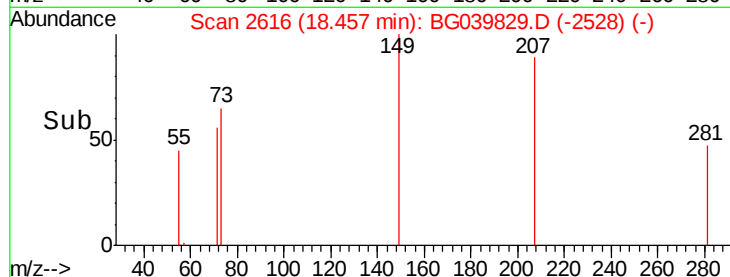
300

200

100

0

Time--> 18.42 18.44 18.46 18.48



#75

Fluoranthene

Concen: 0.010 ng

RT: 19.57 min Scan# 2805

Delta R.T. -0.01 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

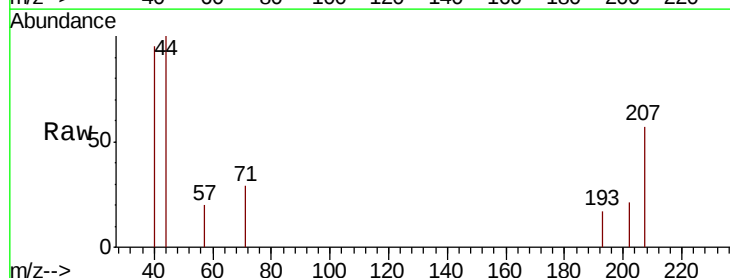
Tgt Ion:202 Resp: 193

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.0

203 0.0 0.0 38.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.57

250

200

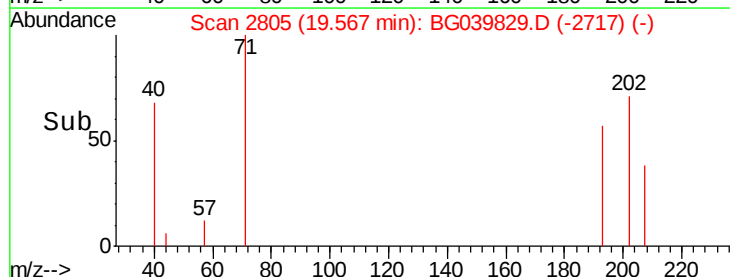
150

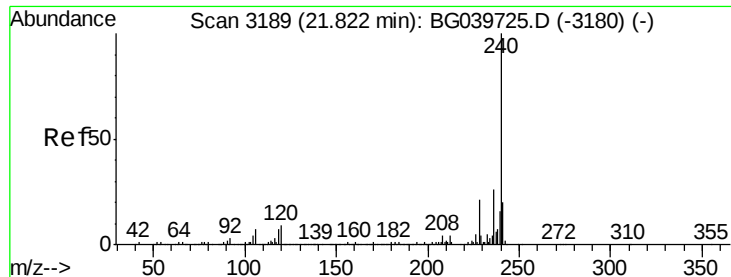
100

50

0

Time--> 19.54 19.56 19.58

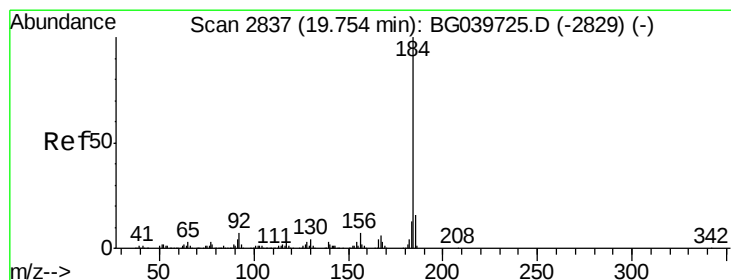
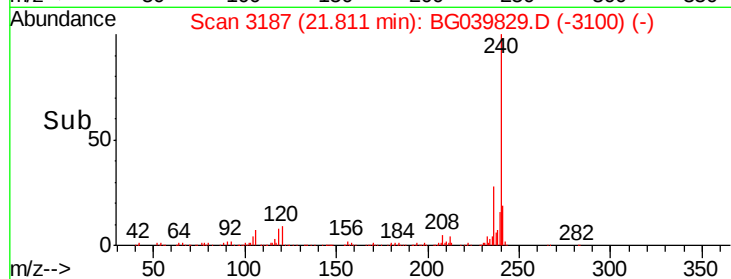
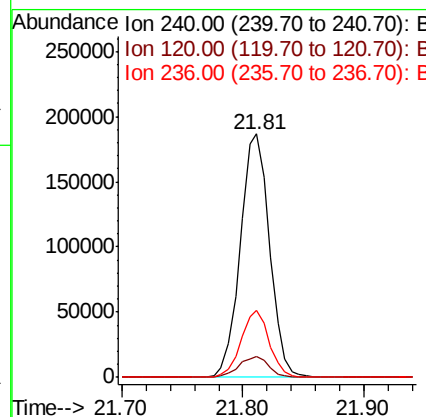
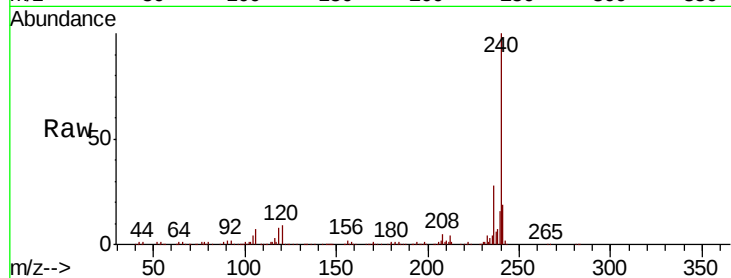




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.02 min
Lab File: BG039829.D
Acq: 8 Mar 2019 20:13

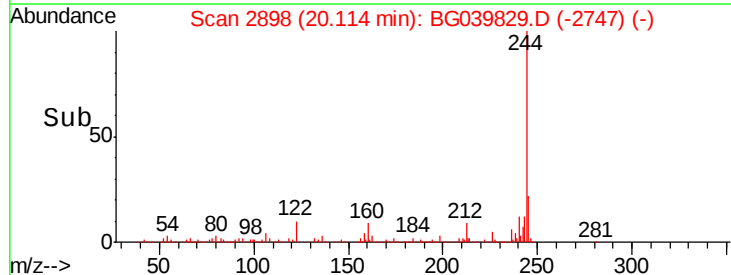
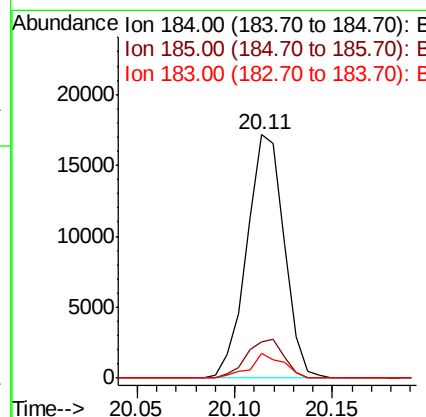
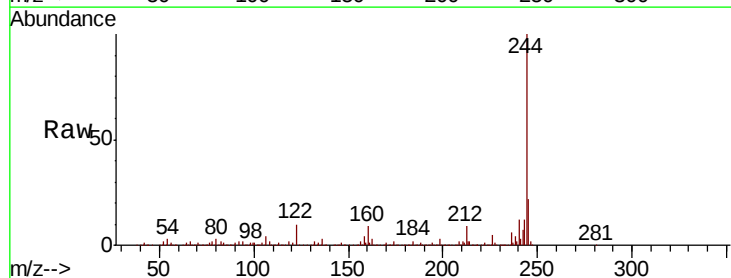
Instrument :
BNA_G
ClientSampleId :

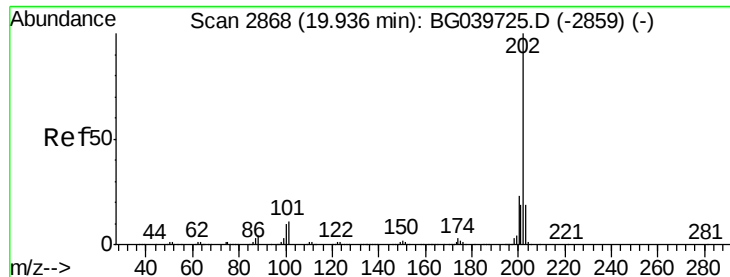
Tot Ion:240 Resp: 315835
Ion Ratio Lower Upper
240 100
120 8.6 7.0 10.6
236 27.5 21.0 31.4



#77
Benzidine
Concen: 2.268 ng
RT: 20.11 min Scan# 2898
Delta R.T. 0.36 min
Lab File: BG039829.D
Acq: 8 Mar 2019 20:13

Tgt Ion:184 Resp: 22731
Ion Ratio Lower Upper
184 100
185 15.1 12.2 18.2
183 10.3 10.6 15.8#





#78

Pvrene

Concen: 0.255 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.18 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

Instrument :

BNA_G

ClientSampleId :

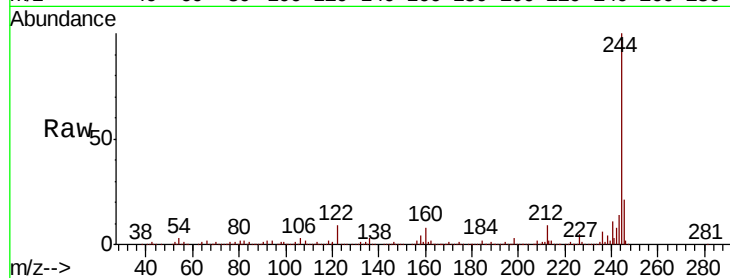
Tot Ion:202 Resp: 5237

Ion Ratio Lower Upper

202 100

200 58.0 17.8 26.8#

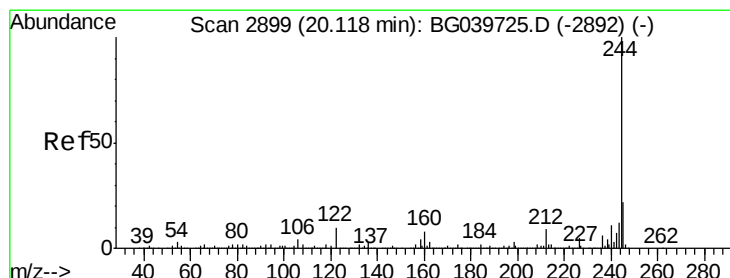
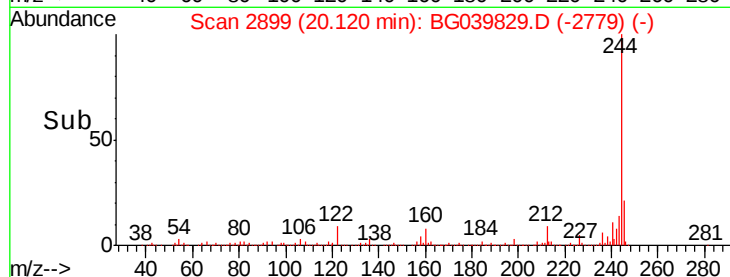
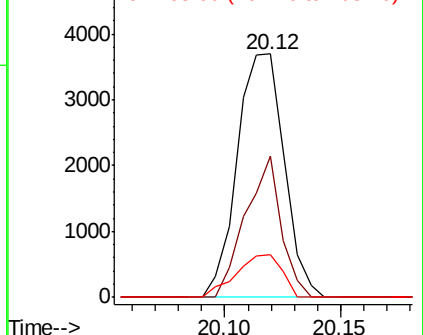
203 17.8 15.3 22.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 89.201 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

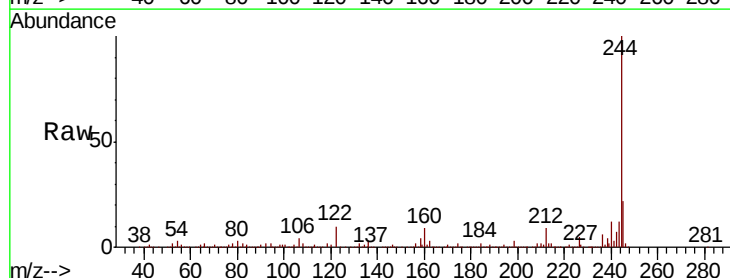
Tgt Ion:244 Resp: 1279538

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

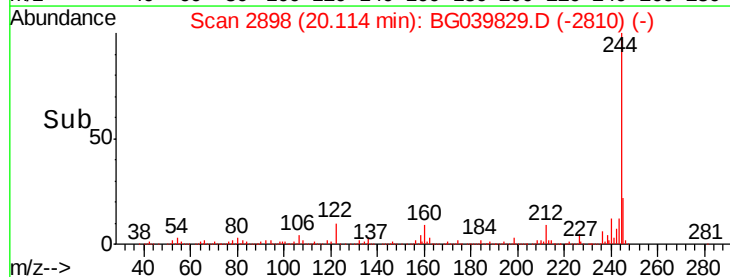
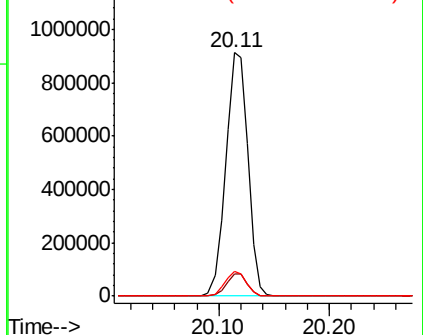
122 10.3 8.4 12.6

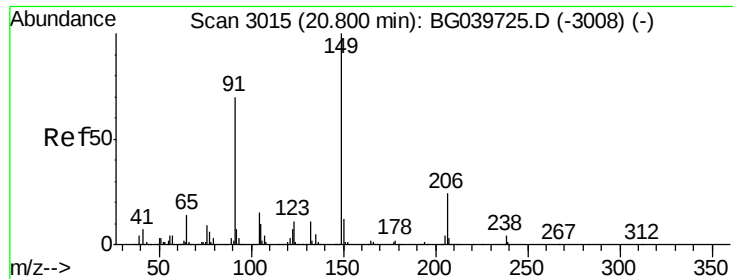


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

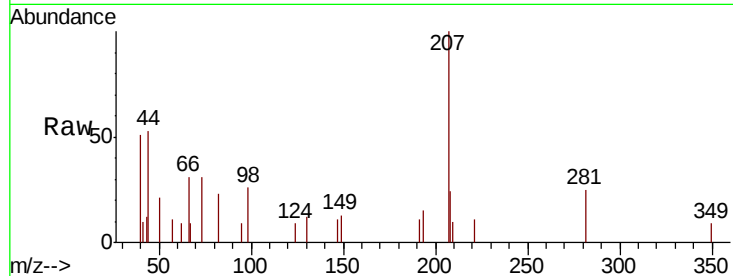




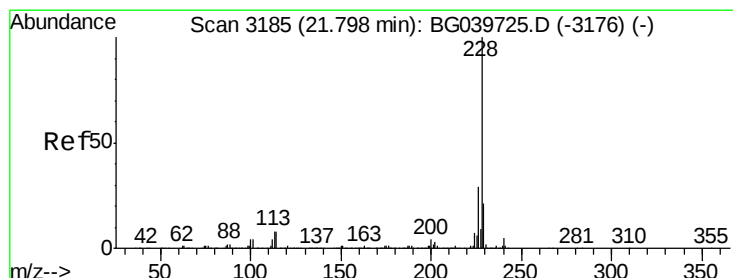
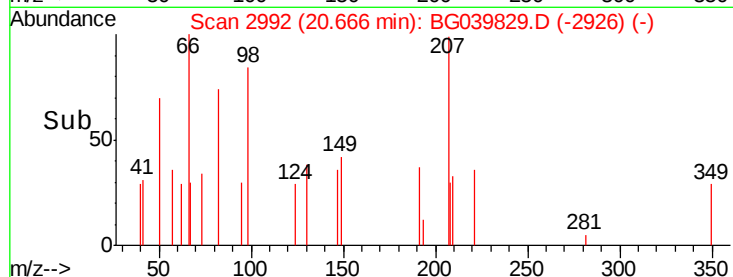
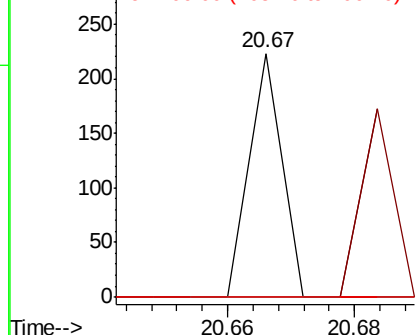
#80
Butylbenzylphthalate
Concen: 0.010 ng
RT: 20.67 min Scan# 2992
Delta R.T. -0.14 min
Lab File: BG039829.D
Acq: 8 Mar 2019 20:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
91	0.0	59.5	89.3#
206	0.0	18.6	27.8#

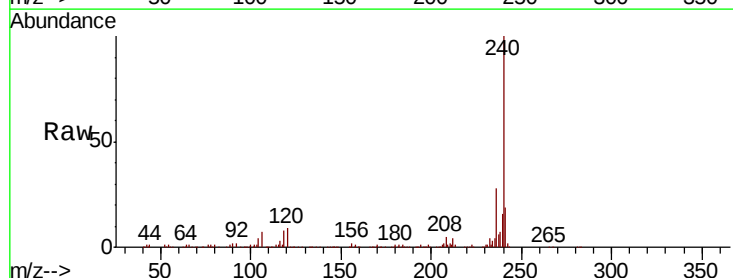


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

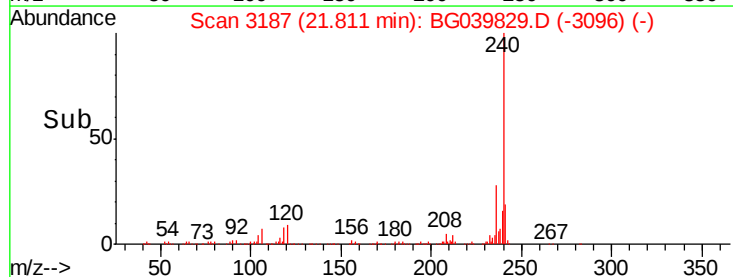
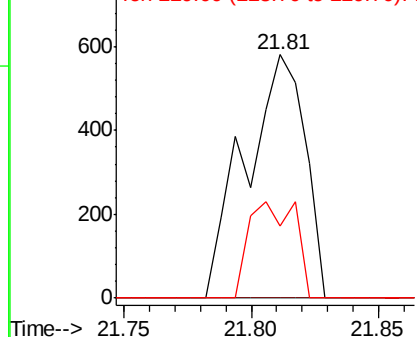


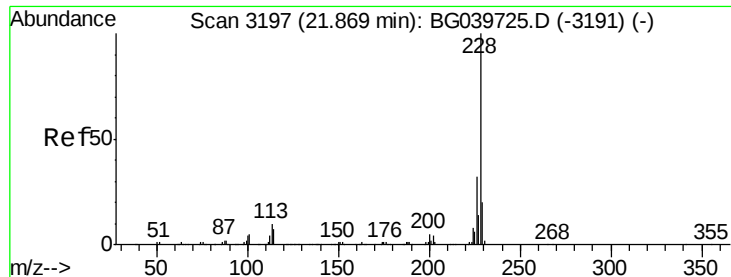
#81
Benzo(a)anthracene
Concen: 0.048 ng
RT: 21.81 min Scan# 3187
Delta R.T. 0.01 min
Lab File: BG039829.D
Acq: 8 Mar 2019 20:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	23.0	34.6#
229	29.8	16.9	25.3#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 0.050 ng

RT: 21.81 min Scan# 3187

Delta R.T. -0.06 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

Instrument :

BNA_G

ClientSampleId :

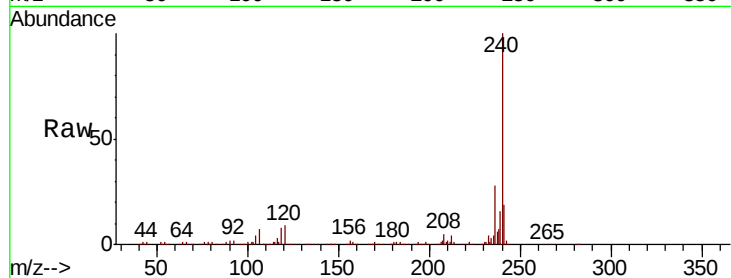
Tot Ion:228 Resp: 955

Ion Ratio Lower Upper

228 100

226 0.0 25.8 38.6#

229 29.8 16.6 25.0#

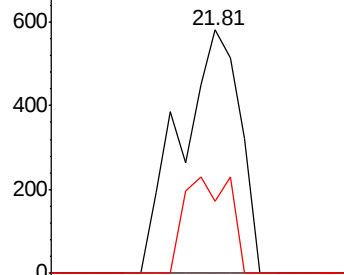


Abundance

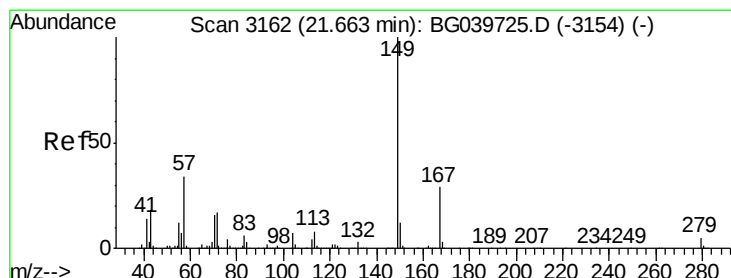
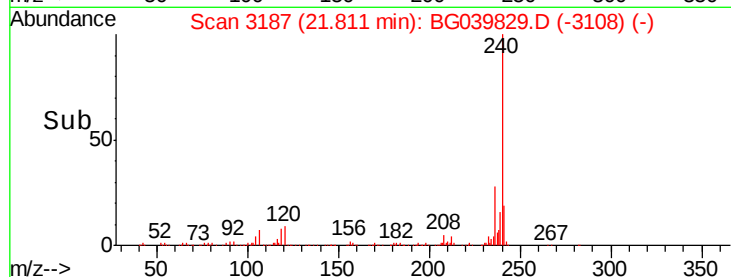
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.038 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

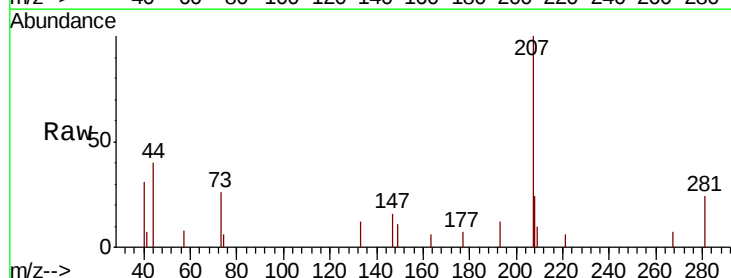
Tgt Ion:149 Resp: 427

Ion Ratio Lower Upper

149 100

167 0.0 22.6 34.0#

279 0.0 3.5 5.3#

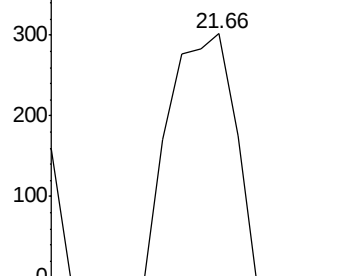


Abundance

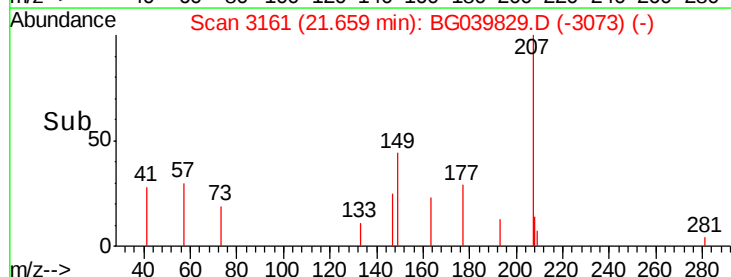
Ion 149.00 (148.70 to 149.70): E

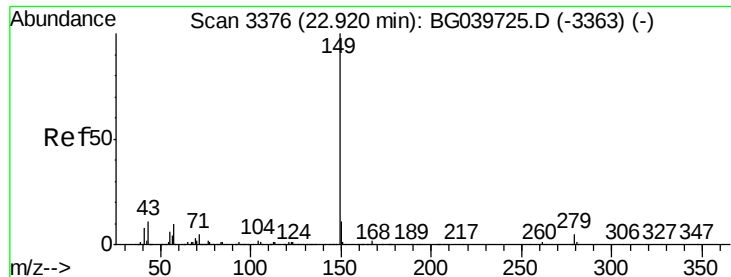
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

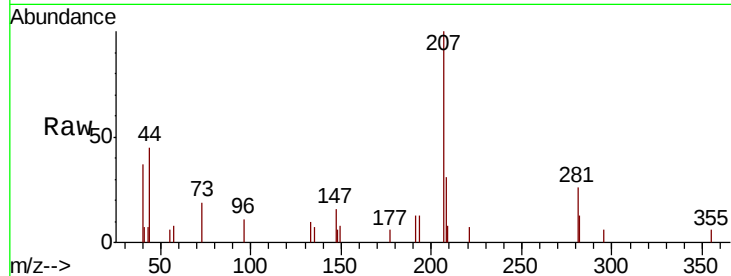




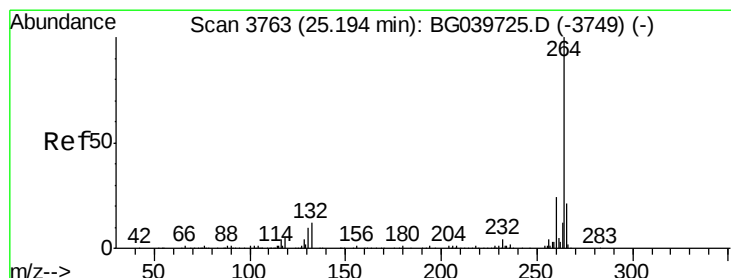
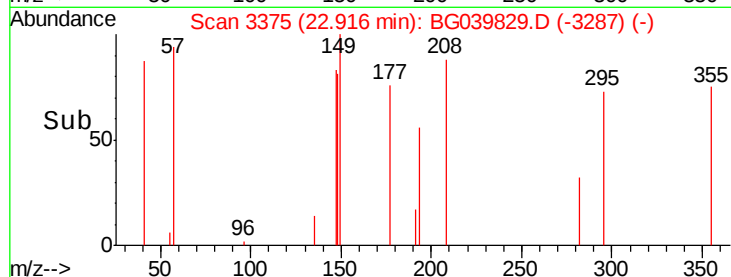
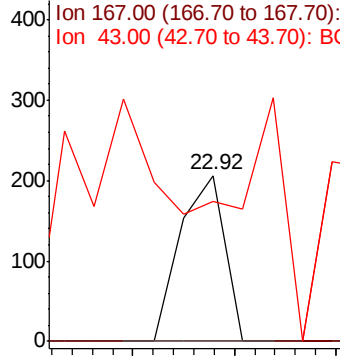
#85
Di-n-octyl phthalate
Concen: 0.007 ng
RT: 22.92 min Scan# 3375
Delta R.T. -0.01 min
Lab File: BG039829.D
Acq: 8 Mar 2019 20:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.3	1.9
43	301.6	10.2	15.4

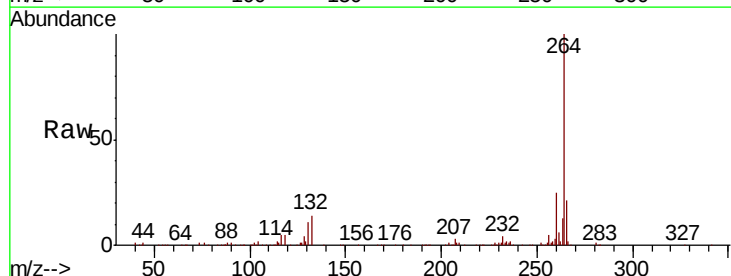


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BG

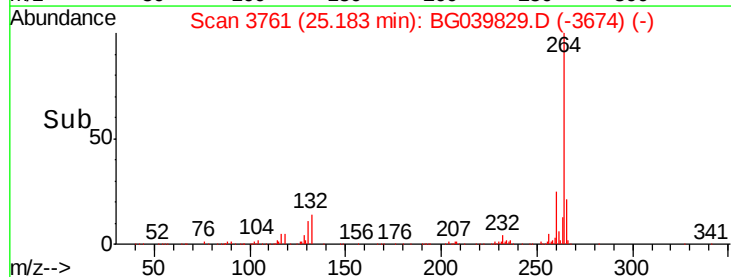
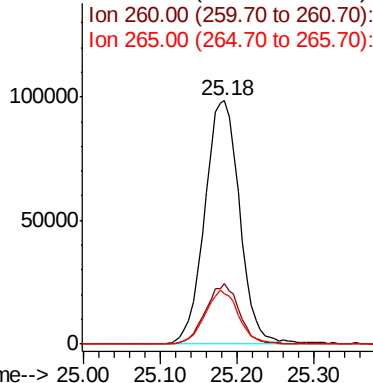


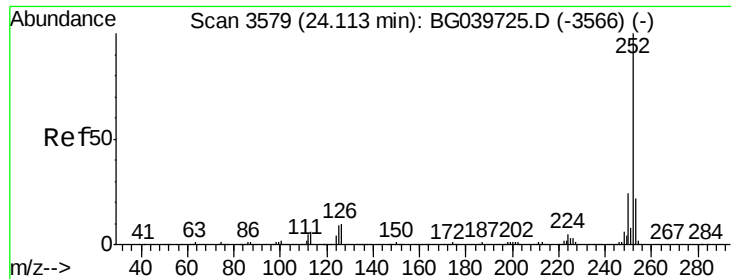
#87
Perylene-d12
Concen: 20.000 ng
RT: 25.18 min Scan# 3761
Delta R.T. -0.02 min
Lab File: BG039829.D
Acq: 8 Mar 2019 20:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.2	27.4
265	20.7	18.5	27.7



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

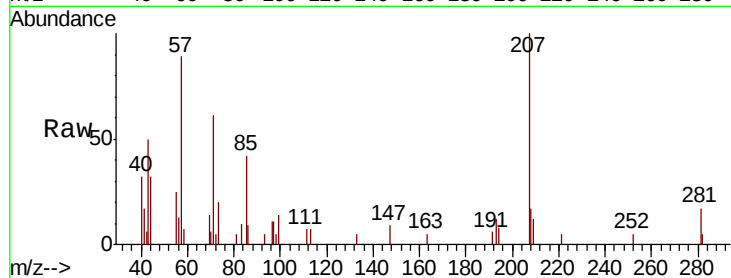




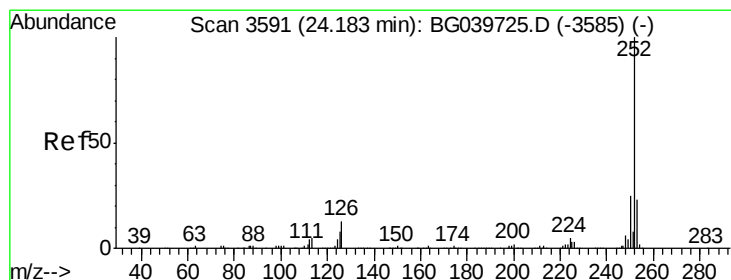
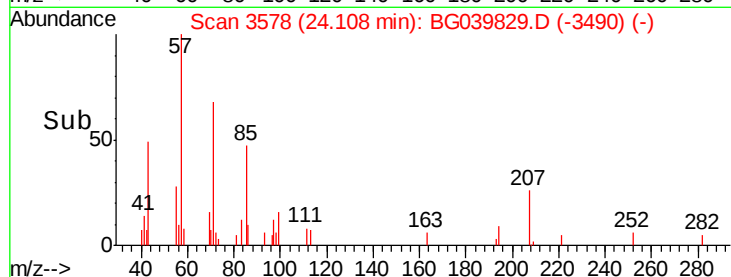
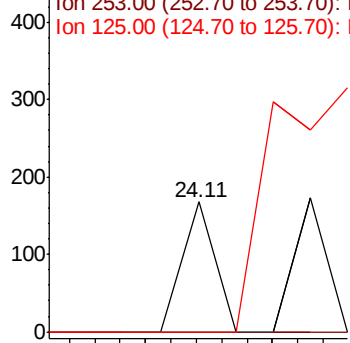
#88
Benzo(b)fluoranthene
Concen: 0.003 ng
RT: 24.11 min Scan# 3578
Delta R.T. -0.01 min
Lab File: BG039829.D
Acq: 8 Mar 2019 20:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 59
Ion Ratio Lower Upper
252 100
253 0.0 17.8 26.8#
125 0.0 7.8 11.6#

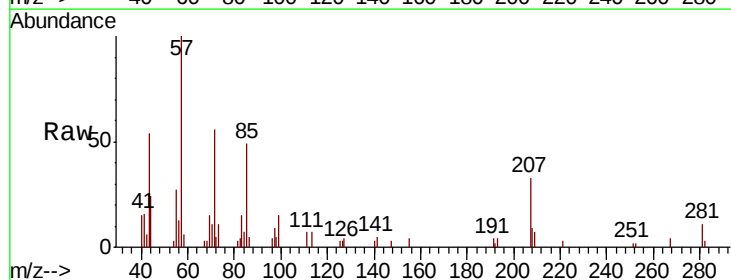


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

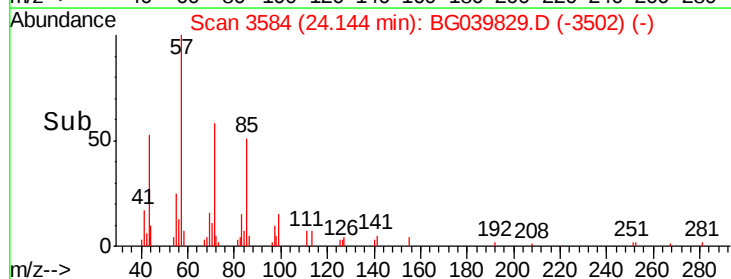
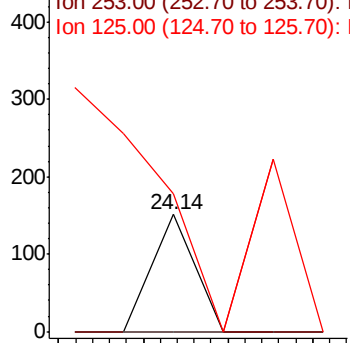


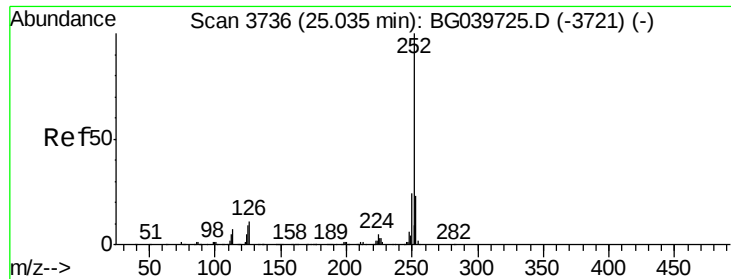
#89
Benzo(k)fluoranthene
Concen: 0.003 ng
RT: 24.14 min Scan# 3584
Delta R.T. -0.05 min
Lab File: BG039829.D
Acq: 8 Mar 2019 20:13

Tgt Ion:252 Resp: 53
Ion Ratio Lower Upper
252 100
253 0.0 18.2 27.2#
125 117.9 7.4 11.2#



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





#90

Benzo(a)pyrene

Concen: 0.024 ng

RT: 25.16 min Scan# 3757

Delta R.T. 0.12 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

Instrument :

BNA_G

ClientSampleId :

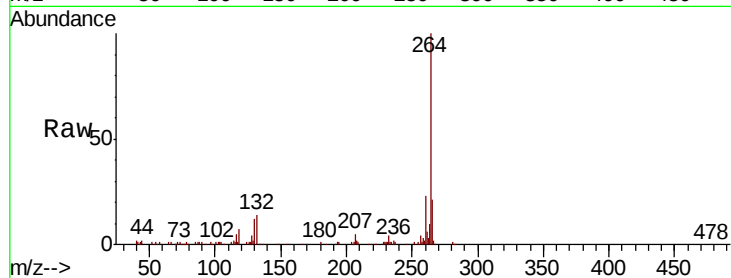
Tot Ion:252 Resp: 405

Ion Ratio Lower Upper

252 100

253 0.0 17.9 26.9#

125 0.0 8.3 12.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

25.16

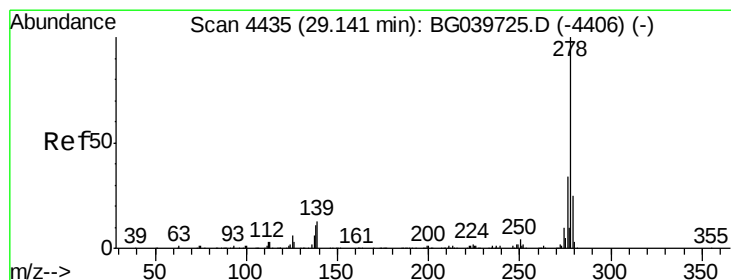
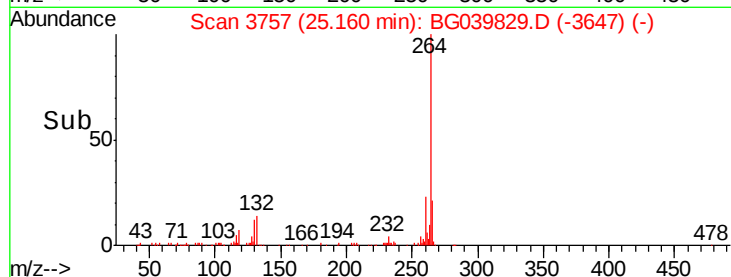
300

400

500

600

Time-->



#91

Dibenzo(a,h)anthracene

Concen: 0.004 ng

RT: 29.34 min Scan# 4468

Delta R.T. 0.18 min

Lab File: BG039829.D

Acq: 8 Mar 2019 20:13

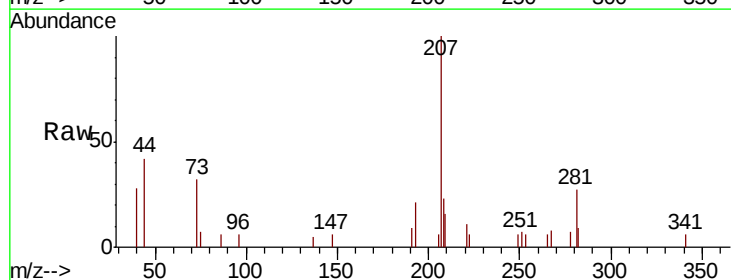
Tgt Ion:278 Resp: 67

Ion Ratio Lower Upper

278 100

139 0.0 11.7 17.5#

279 0.0 19.1 28.7#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

29.34

150

200

250

Time-->

