

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032219\
 Data File : BG040089.D
 Acq On : 22 Mar 2019 18:55
 Operator : JU/SJ
 Sample : K2032-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 23 02:08:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	43769	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	173020	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	113915	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	282593	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	303944	20.00	ng	-0.03
87) Perylene-d12	25.16	264	298087	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	98116	38.24	ng	-0.02
7) Phenol-d6	7.28	99	84380	22.06	ng	-0.03
23) Nitrobenzene-d5	9.32	82	265127	82.88	ng	-0.03
42) 2,4,6-Tribromophenol	16.26	330	106867	80.49	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	639390	79.92	ng	-0.03
79) Terphenyl-d14	20.11	244	944393	68.41	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	130	0.110	ng	# 10
4) n-Nitrosodimethylamine	3.91	42	65	0.043	ng	# 1
6) Aniline	7.31	93	65	0.013	ng	# 1
10) Phenol	7.31	94	1925	0.465	ng	# 82
11) bis(2-Chloroethyl)ether	7.67	93	82	0.025	ng	# 1
15) Benzyl Alcohol	8.46	79	4085	1.346	ng	# 49
19) n-Nitroso-di-n-propylamine	9.32	70	34937	12.688	ng	# 67
24) Nitrobenzene	9.31	77	653	0.195	ng	# 41
46) 1,1'-Biphenyl	13.61	154	663	0.071	ng	# 76
48) 2-Nitroaniline	13.38	65	1052	0.464	ng	# 15
50) Dimethylphthalate	14.21	163	10637	1.117	ng	# 95
51) 2,6-Dinitrotoluene	14.77	165	14142	7.003	ng	# 22
52) Acenaphthene	14.77	154	435	0.062	ng	# 5
57) 2,4-Dinitrotoluene	14.77	165	14142	4.984	ng	# 17
58) Fluorene	16.26	166	5011	0.558	ng	# 88
60) Diethylphthalate	15.56	149	127	0.013	ng	# 58
63) Azobenzene	16.26	77	431	0.050	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.25	198	308	0.184	ng	# 23
66) n-Nitrosodiphenylamine	16.26	169	4176	0.510	ng	# 48
67) 4-Bromophenyl-phenylether	16.26	248	8579	2.712	ng	# 1
71) Phenanthrene	17.56	178	108	0.007	ng	# 59
72) Anthracene	17.56	178	108	0.007	ng	# 60
74) Di-n-butylphthalate	18.45	149	448	0.028	ng	# 77
75) Fluoranthene	19.93	202	59	0.003	ng	# 63
77) Benzidine	20.10	184	15195	1.575	ng	# 96
78) Pyrene	20.10	202	3567	0.181	ng	# 63
80) Butylbenzylphthalate	20.78	149	53	0.007	ng	# 22
81) Benzo(a)anthracene	21.80	228	840	0.044	ng	# 46
82) 3,3'-Dichlorobenzidine	21.71	252	57	0.008	ng	# 26
83) Chrysene	21.80	228	840	0.045	ng	# 44
84) Bis(2-ethylhexyl)phthalate	21.64	149	1061	0.099	ng	# 83
85) Di-n-octyl phthalate	22.89	149	64	0.004	ng	# 1
90) Benzo(a)pyrene	25.17	252	973	0.059	ng	# 50

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QLast Update : Mon Mar 04 14:38:15 2019
Response via : Initial Calibration

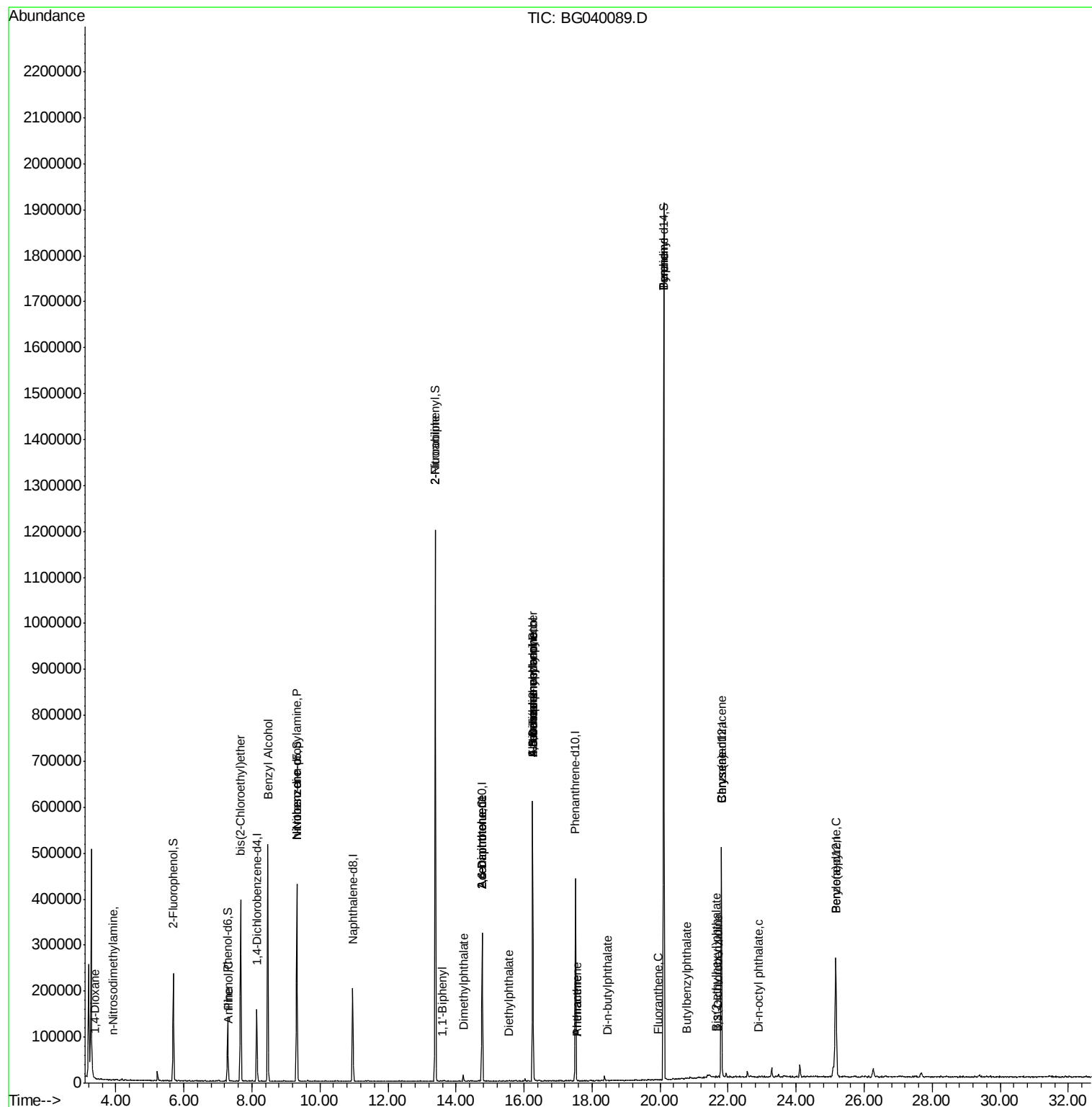
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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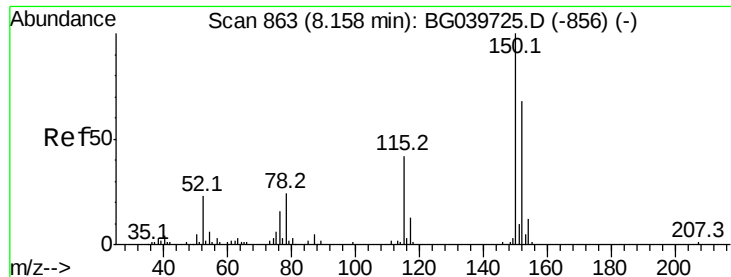
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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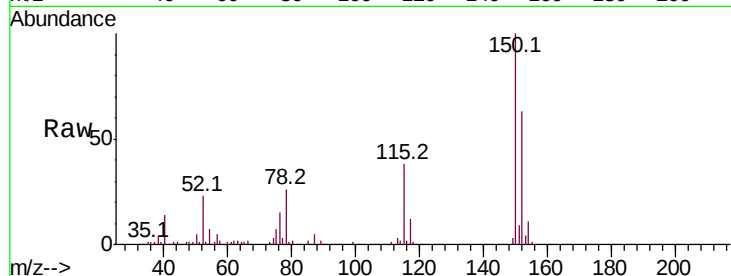


#1

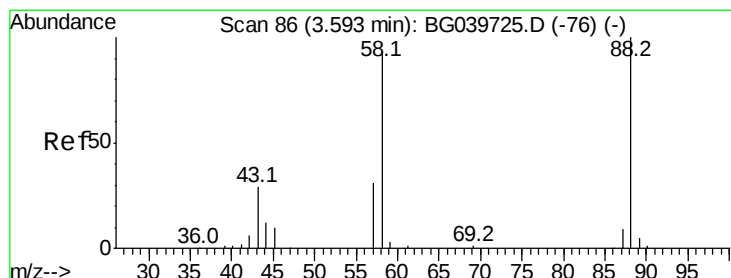
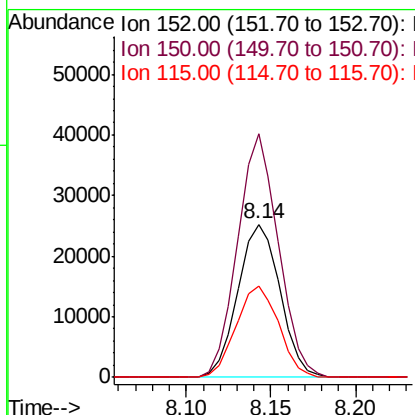
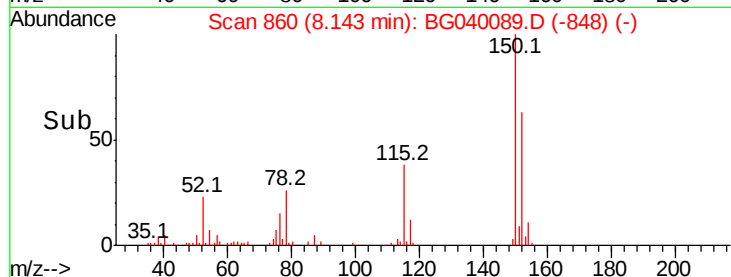
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.03 min
Lab File: BG040089.D
Acq: 22 Mar 2019 18:55

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 43769
Ion Ratio Lower Upper
152 100
150 159.0 123.7 185.5
115 59.9 45.9 68.9



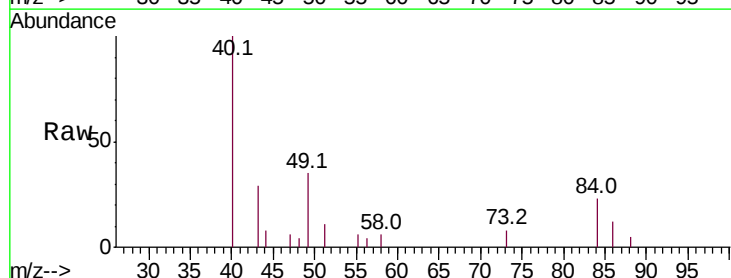
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



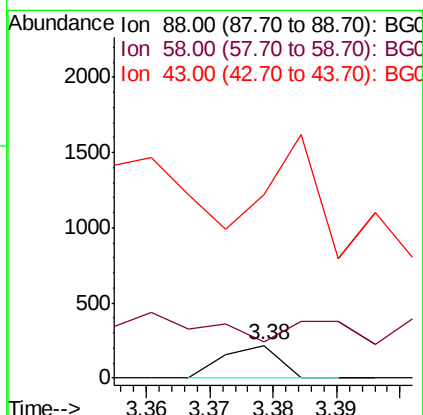
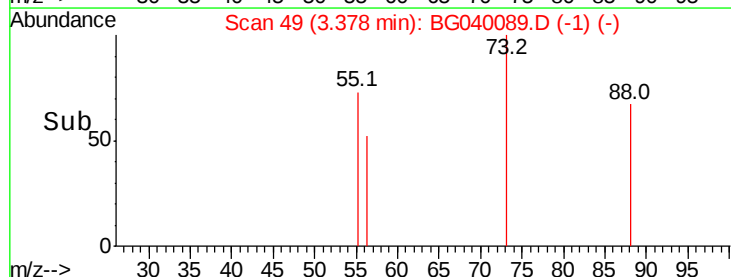
#2

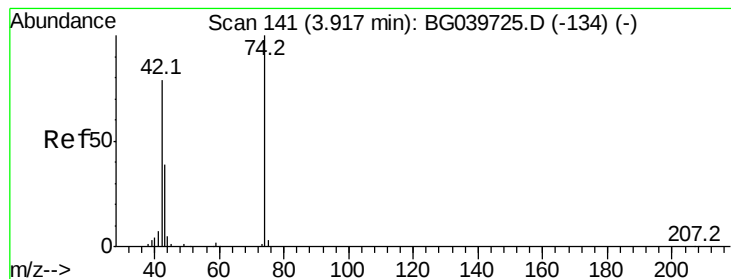
1,4-Dioxane
Concen: 0.110 ng
RT: 3.38 min Scan# 49
Delta R.T. -0.23 min
Lab File: BG040089.D
Acq: 22 Mar 2019 18:55

Tgt Ion: 88 Resp: 130
Ion Ratio Lower Upper
88 100
58 0.0 81.1 121.7#
43 0.0 31.4 47.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 0.043 ng

RT: 3.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

Instrument :

BNA_G

ClientSampled :

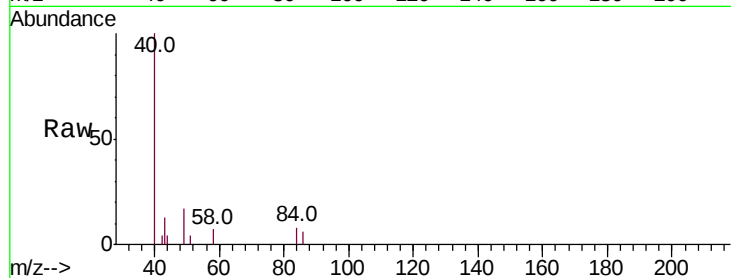
Tot Ion: 42 Resp: 65

Ion Ratio Lower Upper

42 100

74 0.0 83.6 125.4#

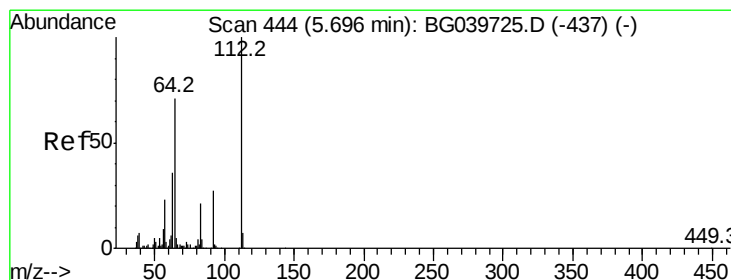
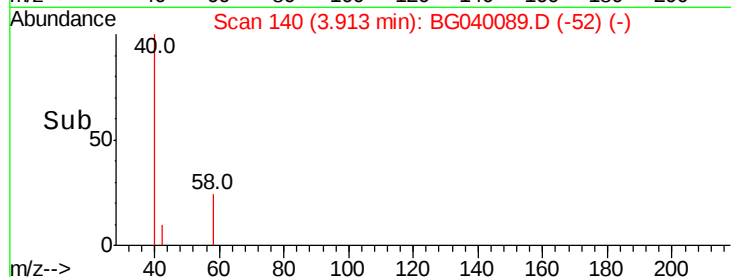
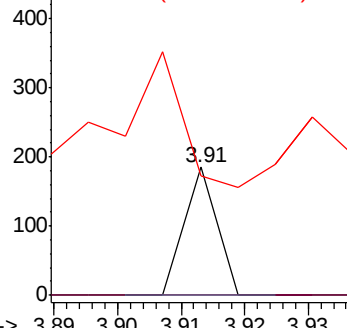
44 93.5 6.9 10.3#



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: 38.243 ng

RT: 5.69 min Scan# 442

Delta R.T. -0.02 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

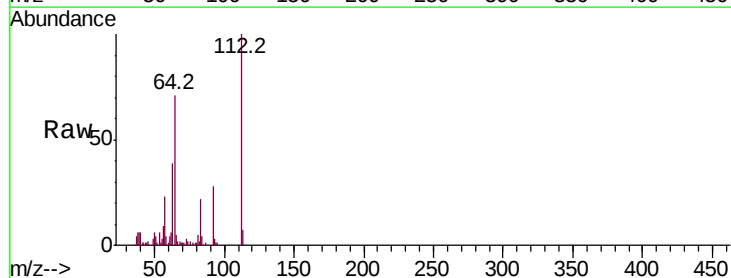
Tgt Ion: 112 Resp: 98116

Ion Ratio Lower Upper

112 100

64 70.5 57.8 86.8

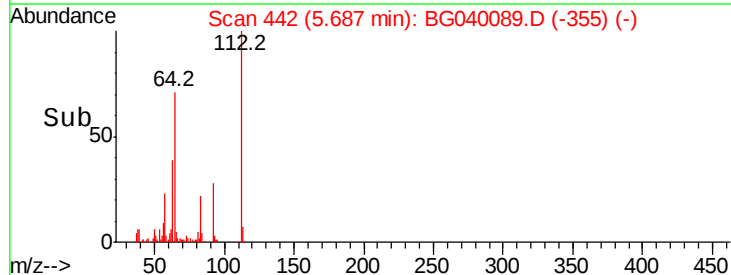
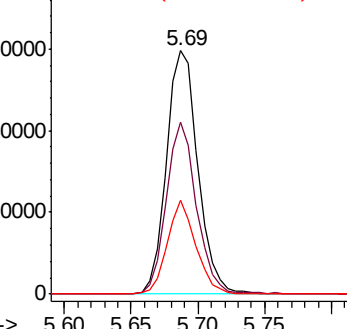
63 38.5 29.8 44.6

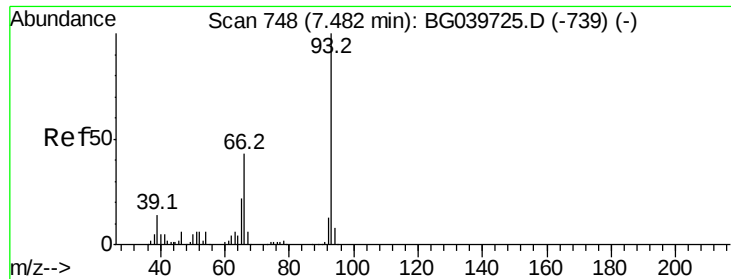


Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#6

Aniline

Concen: 0.013 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.18 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

Instrument :

BNA_G

ClientSampleId :

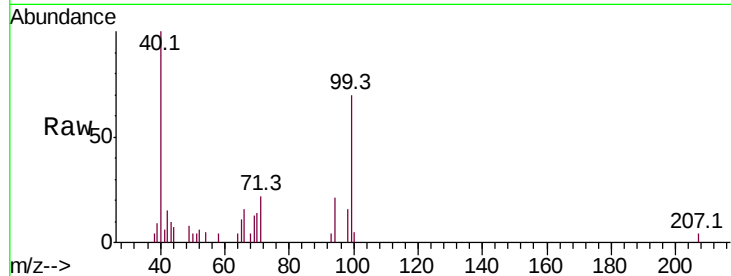
Tot Ion: 93 Resp: 65

Ion Ratio Lower Upper

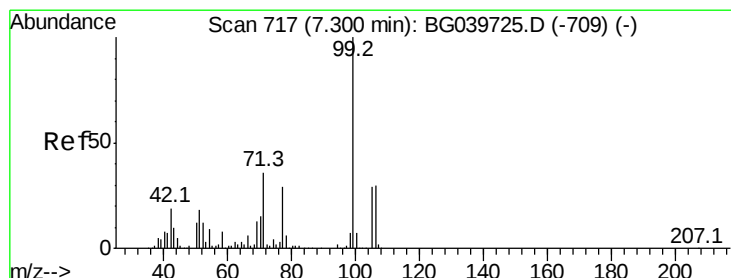
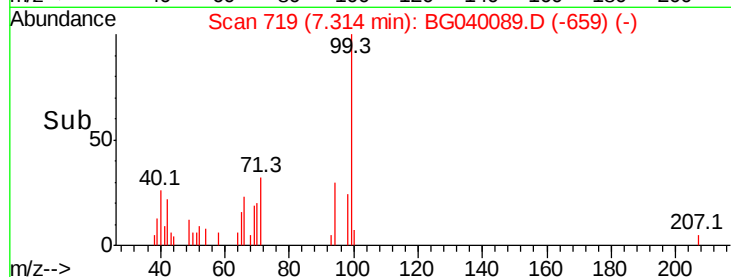
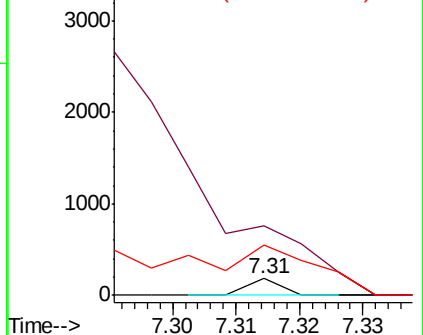
93 100

66 412.4 34.2 51.4#

65 296.8 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: 22.058 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.03 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

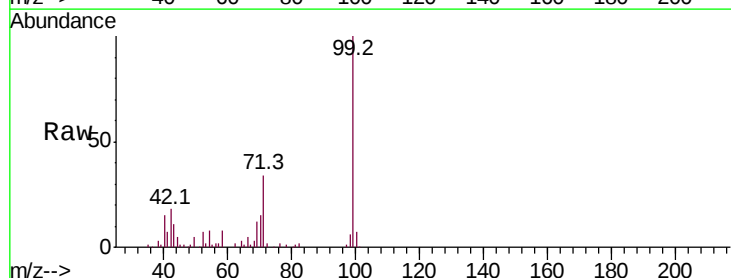
Tgt Ion: 99 Resp: 84380

Ion Ratio Lower Upper

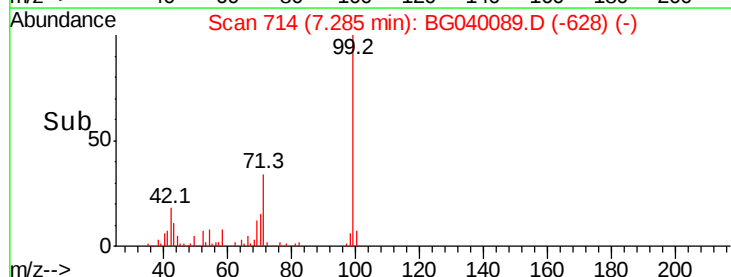
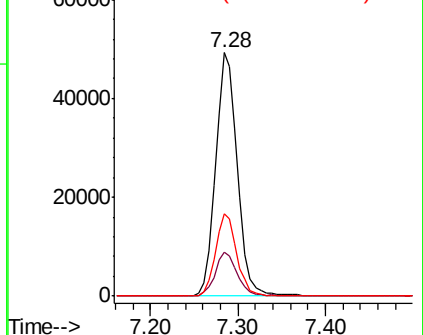
99 100

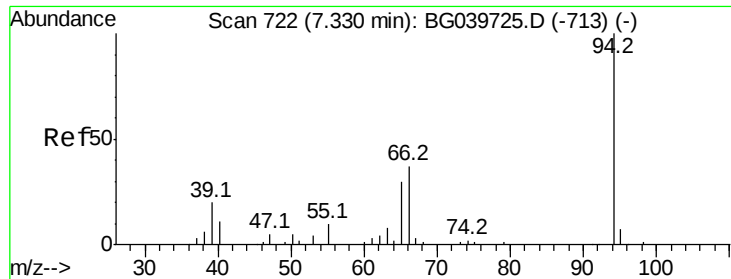
42 17.8 18.2 27.2#

71 33.8 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





#10

Phenol

Concen: 0.465 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.03 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

Instrument :

BNA_G

ClientSampled :

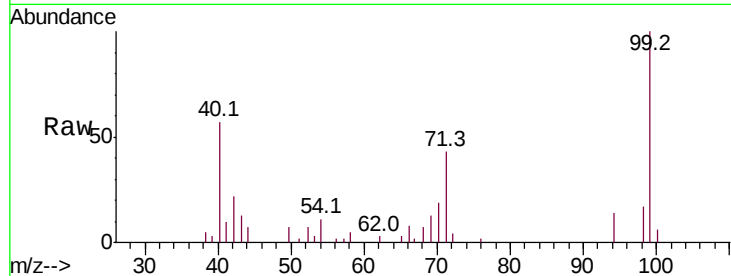
Tot Ion: 94 Resp: 1925

Ion Ratio Lower Upper

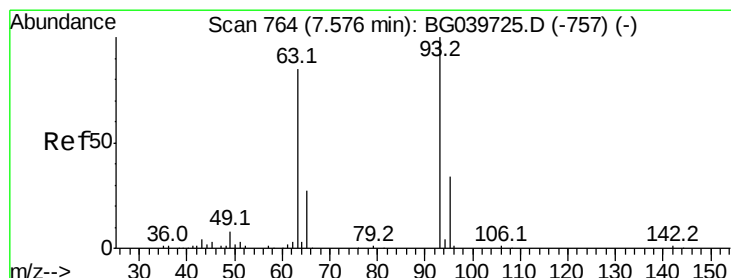
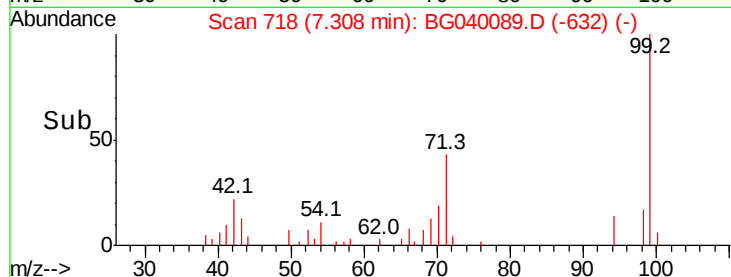
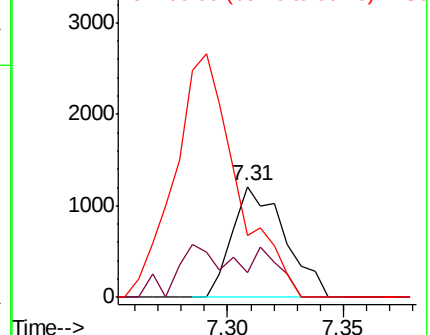
94 100

65 22.8 11.7 51.7

66 56.1 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: 0.025 ng

RT: 7.67 min Scan# 779

Delta R.T. 0.08 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

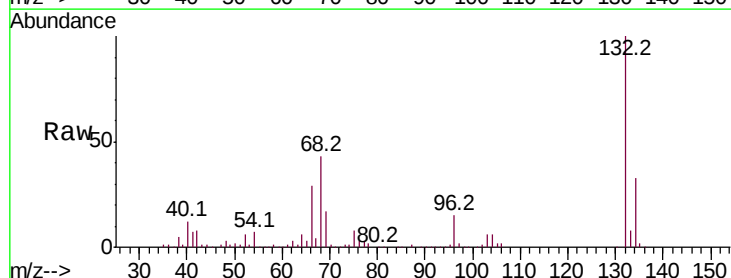
Tgt Ion: 93 Resp: 82

Ion Ratio Lower Upper

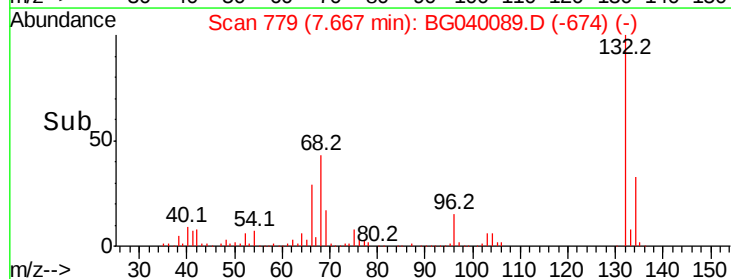
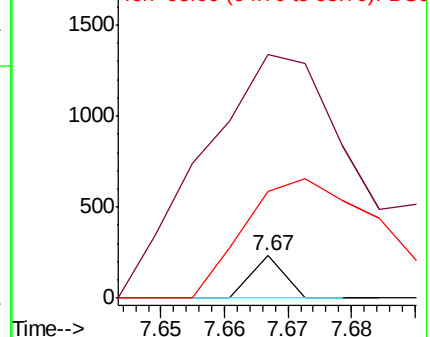
93 100

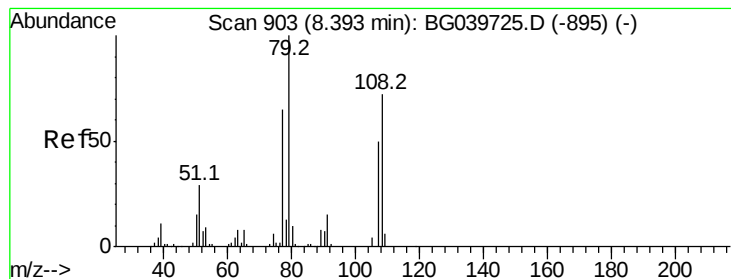
63 576.3 69.5 109.5#

95 252.6 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





#15

Benzyl Alcohol

Concen: 1.346 ng

RT: 8.46 min Scan# 914

Delta R.T. 0.05 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

Instrument :

BNA_G

ClientSampleId :

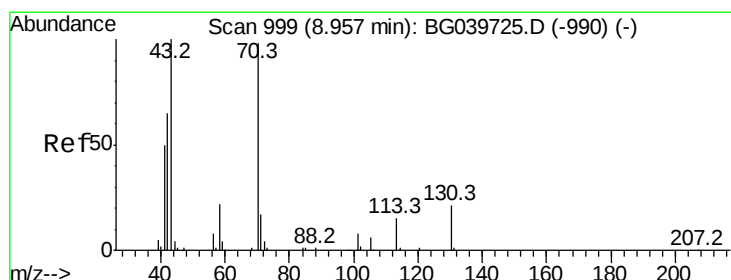
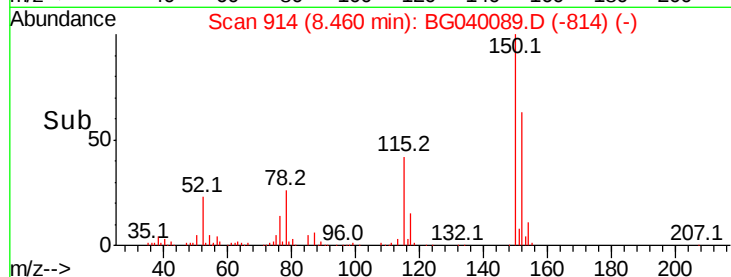
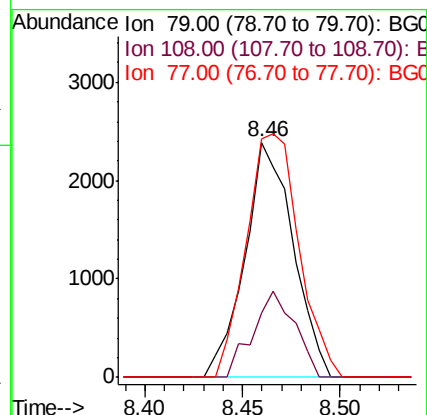
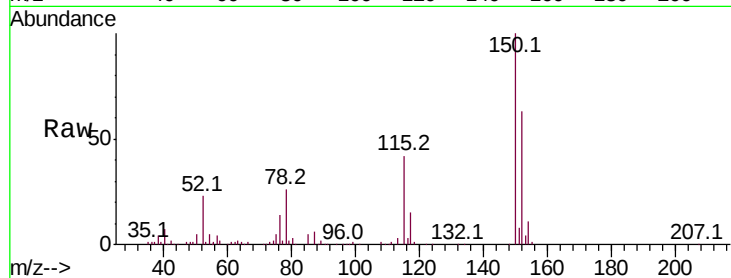
Tot Ion: 79 Resp: 4085

Ion Ratio Lower Upper

79 100

108 27.4 57.8 86.6#

77 101.6 51.1 76.7#



#19

n-Nitroso-di-n-propylamine

Concen: 12.688 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

Tgt Ion: 70 Resp: 34937

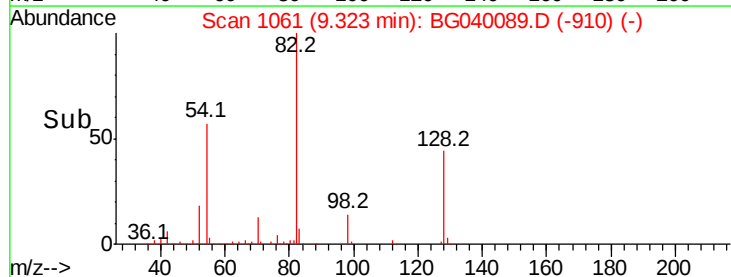
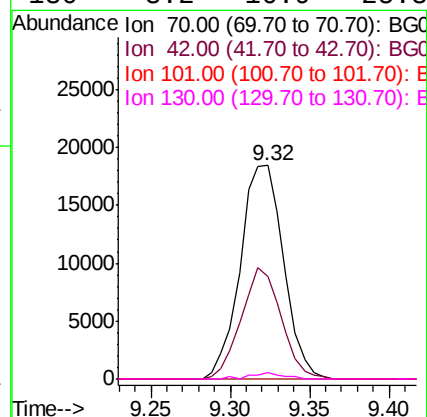
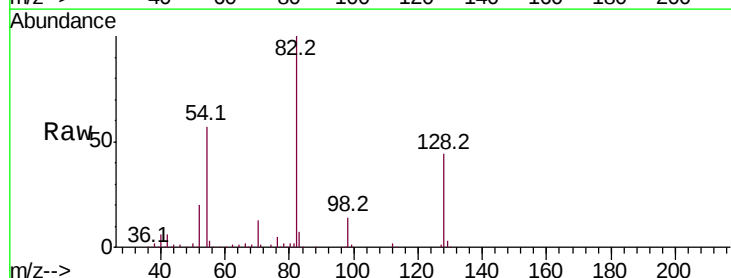
Ion Ratio Lower Upper

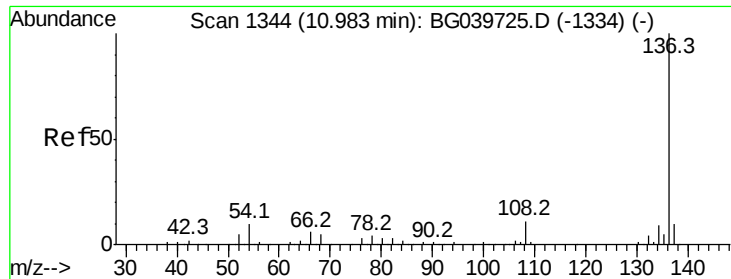
70 100

42 47.9 60.4 90.6#

101 0.0 7.5 11.3#

130 3.2 16.9 25.3#

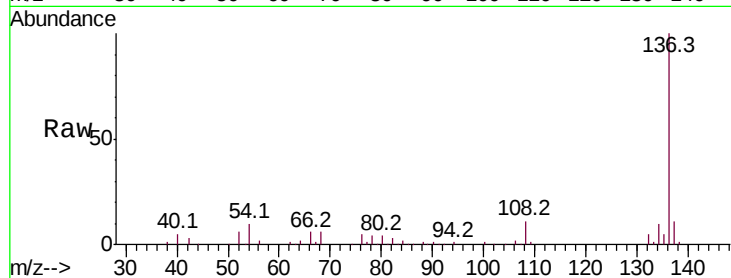




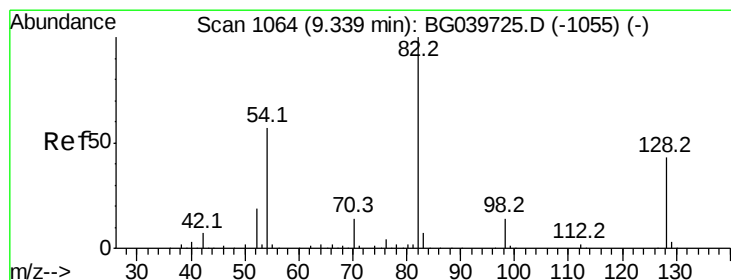
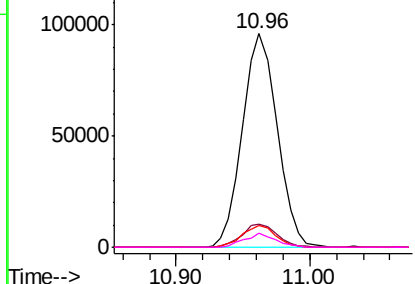
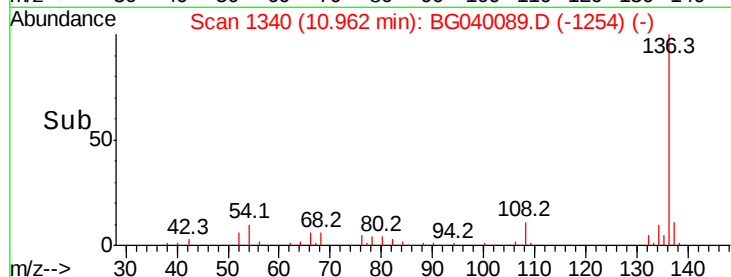
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040089.D
Acq: 22 Mar 2019 18:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	173020
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	10.1	9.4	14.2
68	6.4	4.2	6.4#

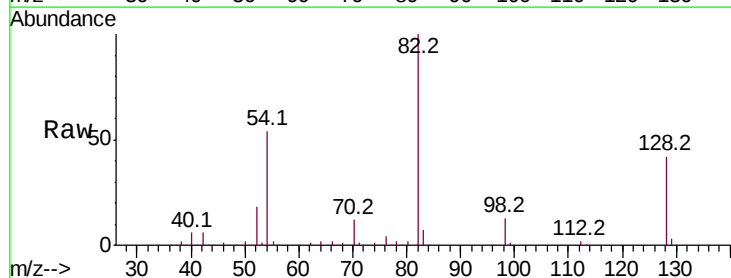


Abundance Ion 136.00 (135.70 to 136.70): E
150000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

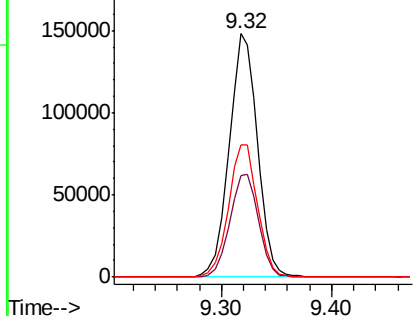
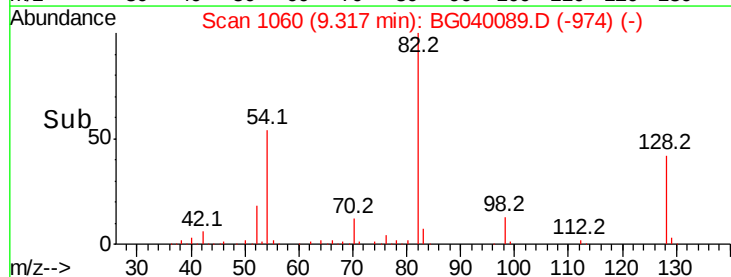


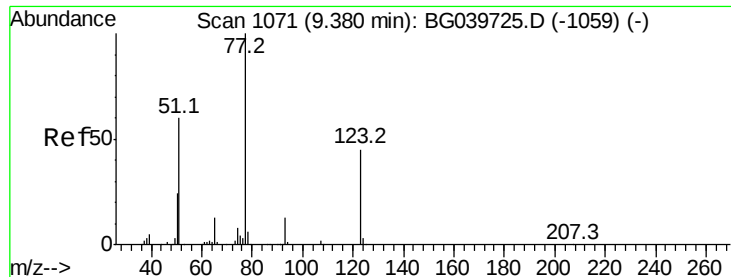
#23
Nitrobenzene-d5
Concen: 82.876 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.03 min
Lab File: BG040089.D
Acq: 22 Mar 2019 18:55

Tgt Ion:	82	Resp:	265127
Ion	Ratio	Lower	Upper
82	100		
128	41.6	31.3	46.9
54	54.3	50.9	76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
200000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 0.195 ng

RT: 9.31 min Scan# 1059

Delta R.T. -0.07 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

Instrument :

BNA_G

ClientSampleId :

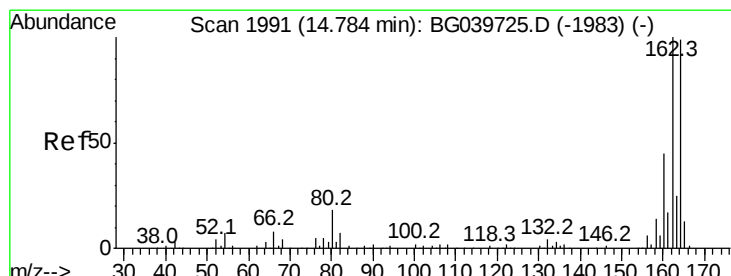
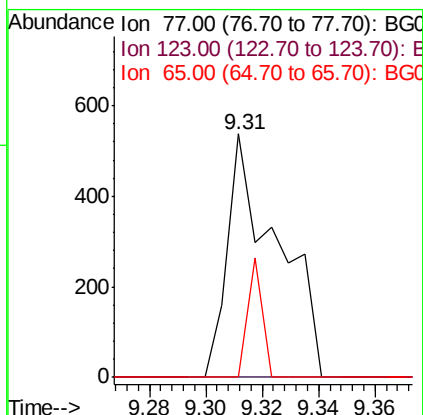
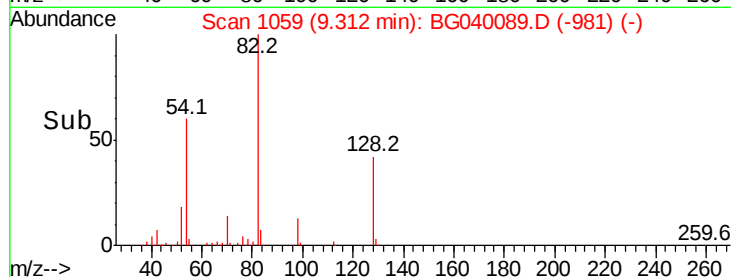
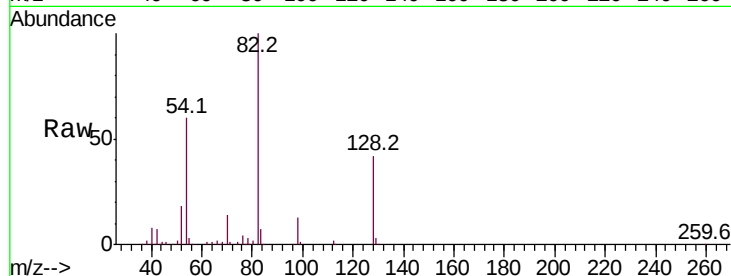
Tot Ion: 77 Resp: 653

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: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

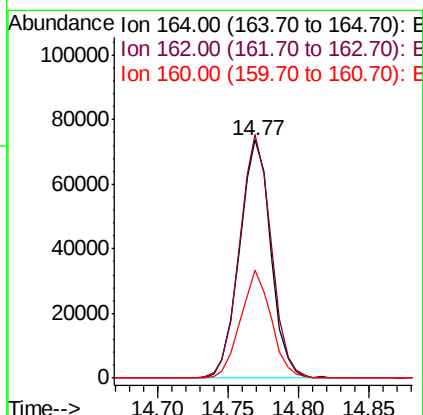
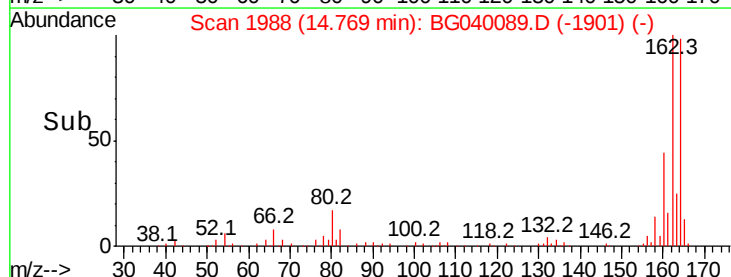
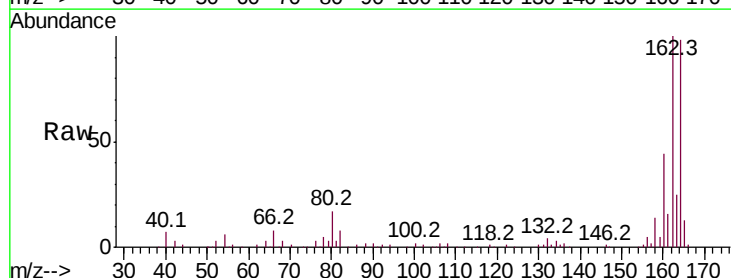
Tgt Ion: 164 Resp: 113915

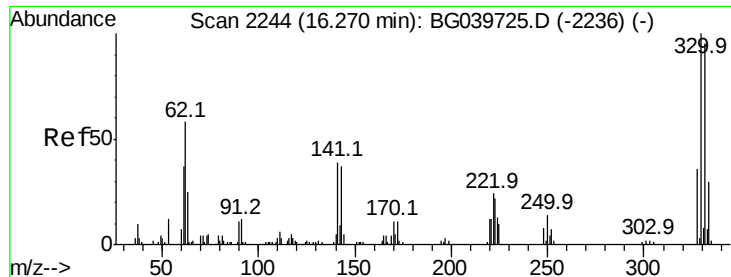
Ion Ratio Lower Upper

164 100

162 102.2 81.6 122.4

160 45.4 34.2 51.2

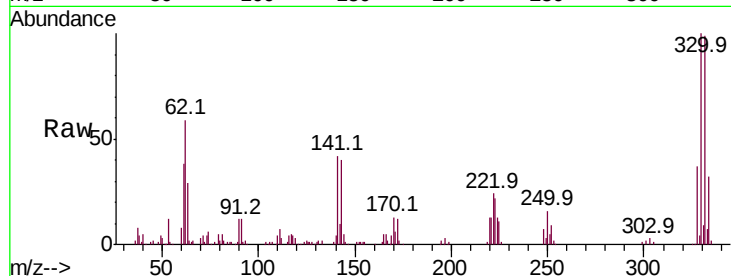




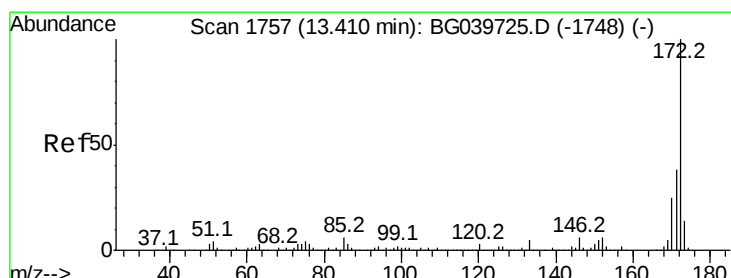
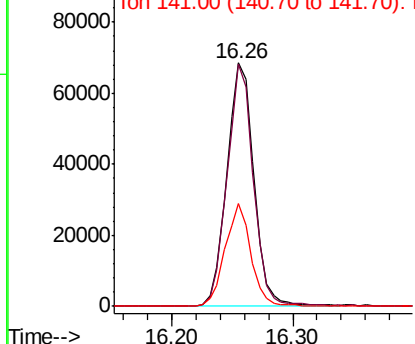
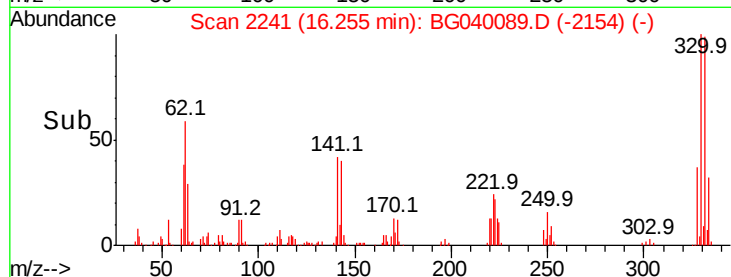
#42
 2,4,6-Tribromophenol
 Concen: 80.486 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.02 min
 Lab File: BG040089.D
 Acq: 22 Mar 2019 18:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	75.7	113.5
141	40.1	35.6	53.4

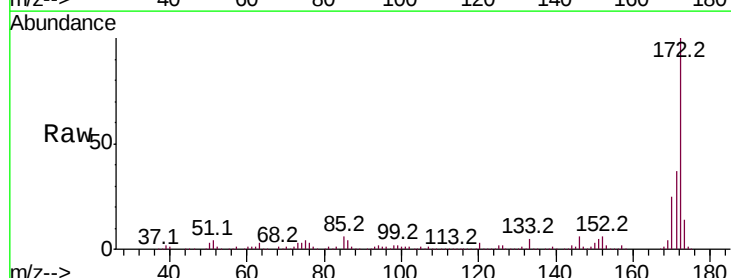


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

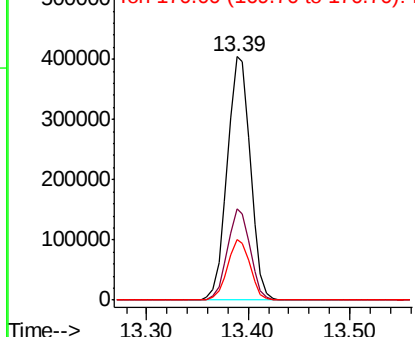
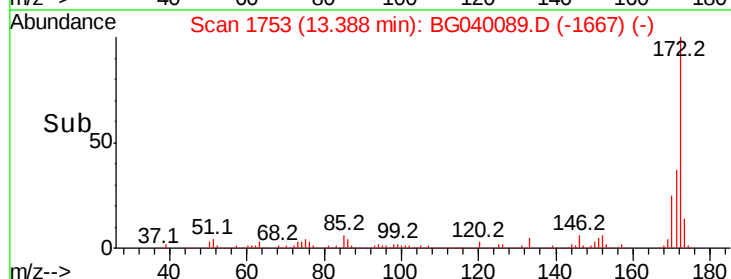


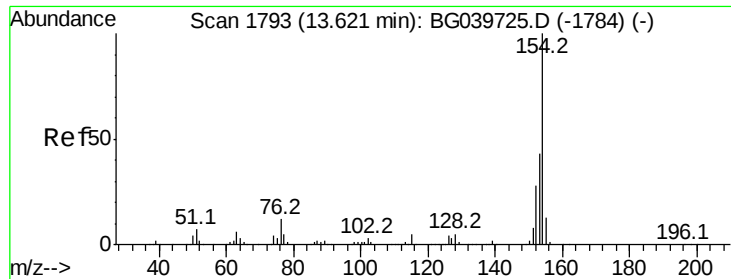
#45
 2-Fluorobiphenyl
 Concen: 79.918 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040089.D
 Acq: 22 Mar 2019 18:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.8	46.2
170	25.0	20.2	30.4



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

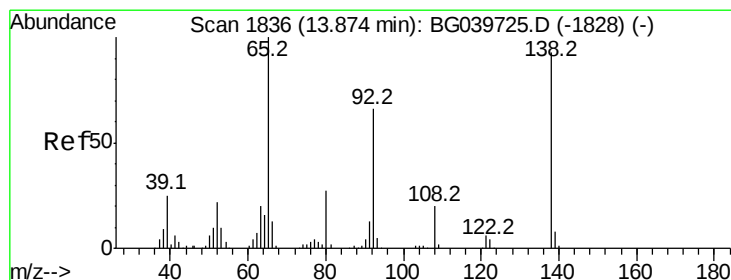
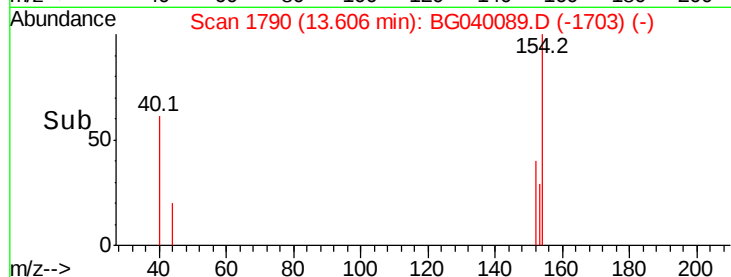
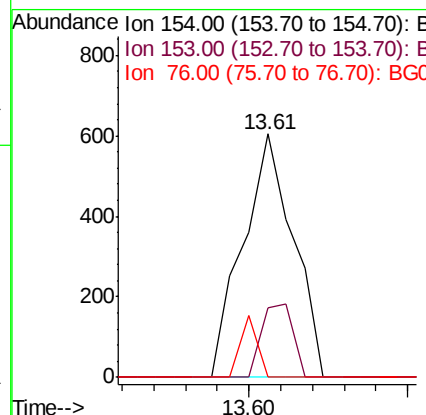
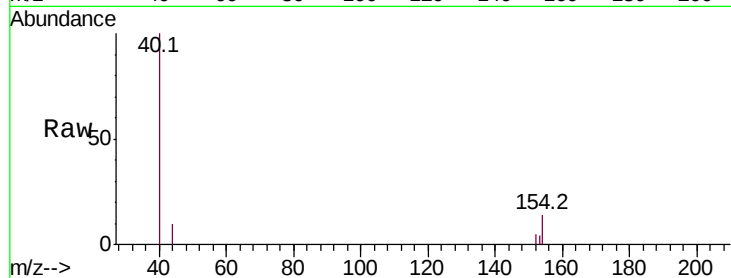




#46
 1,1'-Biphenyl
 Concen: 0.071 ng
 RT: 13.61 min Scan# 1790
 Delta R.T. -0.02 min
 Lab File: BG040089.D
 Acq: 22 Mar 2019 18:55

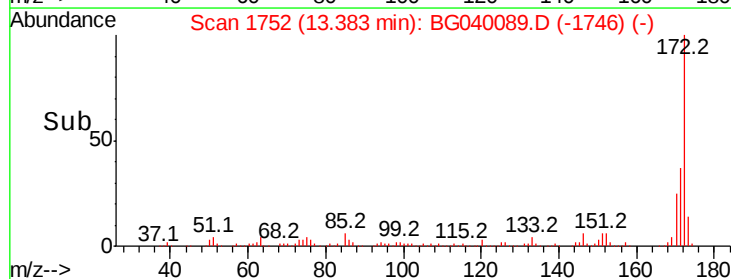
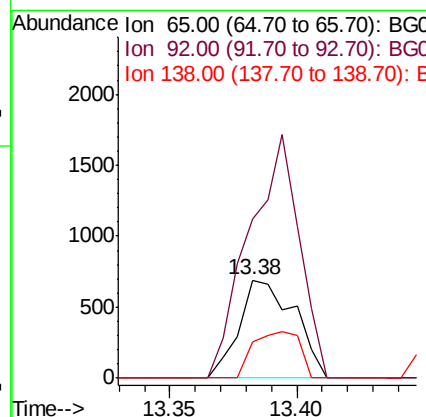
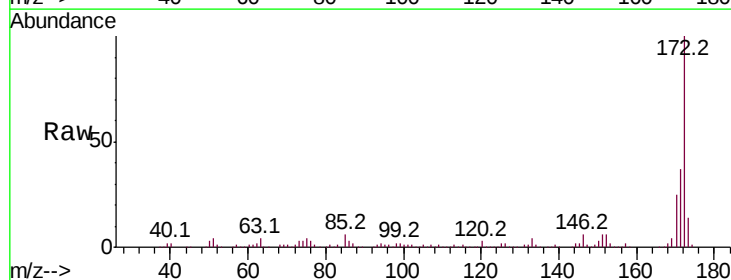
Instrument :
 BNA_G
 ClientSampleId :

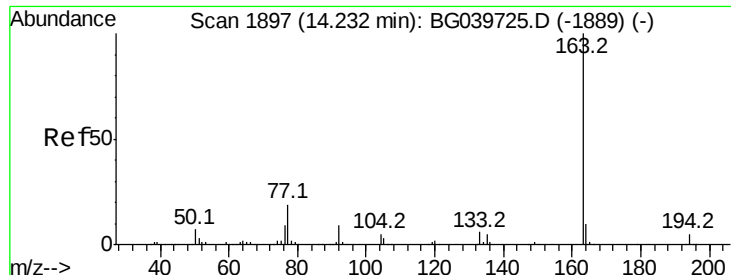
Tot Ion	Ratio	Lower	Upper
154	100		
153	28.6	22.1	62.1
76	0.0	0.0	32.4



#48
 2-Nitroaniline
 Concen: 0.464 ng
 RT: 13.38 min Scan# 1752
 Delta R.T. -0.50 min
 Lab File: BG040089.D
 Acq: 22 Mar 2019 18:55

Tgt Ion	Ratio	Lower	Upper
65	100		
92	162.4	51.4	77.2#
138	36.8	71.4	107.2#





#50

Dimethylphthalate

Concen: 1.117 ng

RT: 14.21 min Scan# 1893

Delta R.T. -0.03 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

Instrument :

BNA_G

ClientSampled :

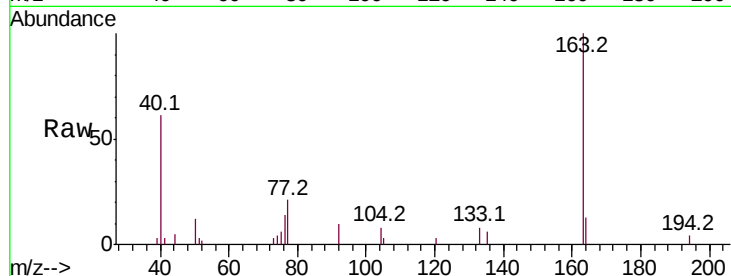
Tot Ion:163 Resp: 10637

Ion Ratio Lower Upper

163 100

194 3.5 3.6 5.4#

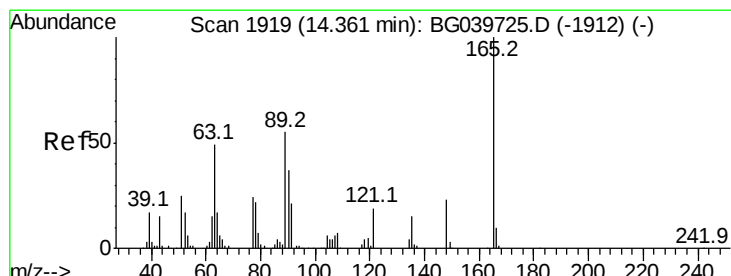
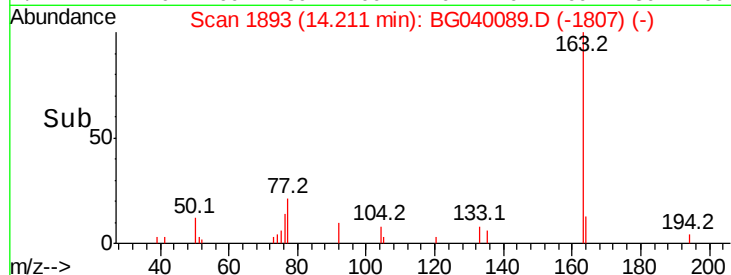
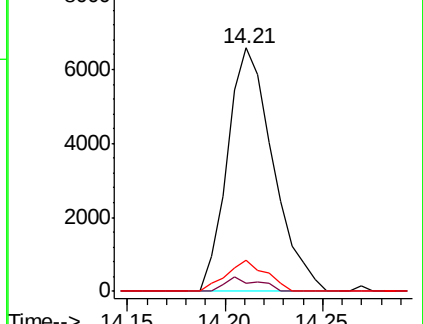
164 12.9 8.4 12.6#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.003 ng

RT: 14.77 min Scan# 1988

Delta R.T. 0.40 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

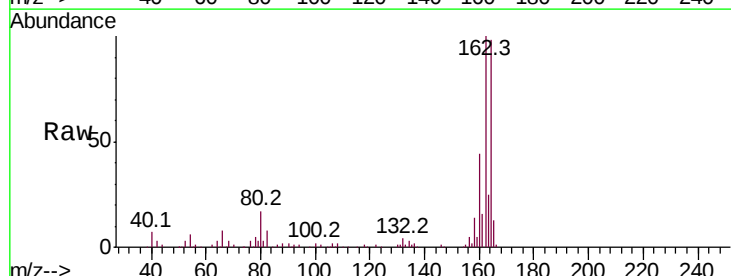
Tgt Ion:165 Resp: 14142

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

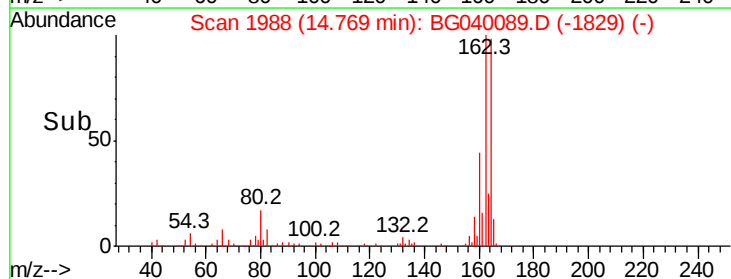
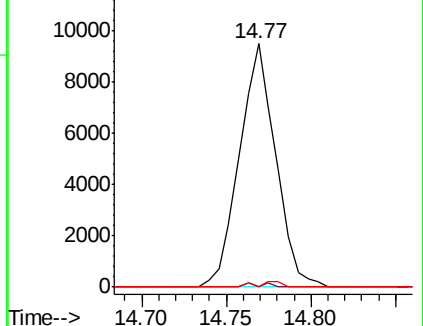
89 0.0 45.8 68.8#

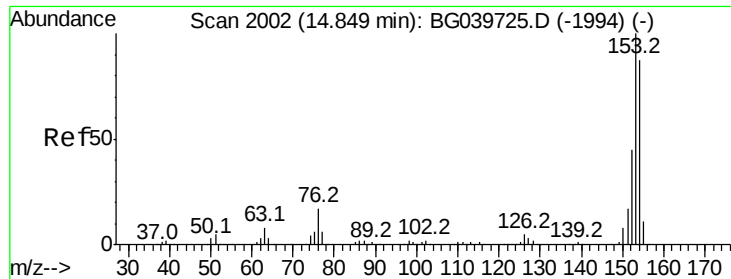


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.062 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.09 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

Instrument :

BNA_G

ClientSampleId :

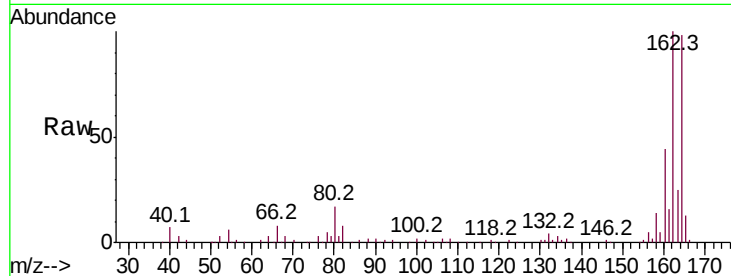
Tot Ion:154 Resp: 435

Ion Ratio Lower Upper

154 100

153 0.0 90.1 135.1#

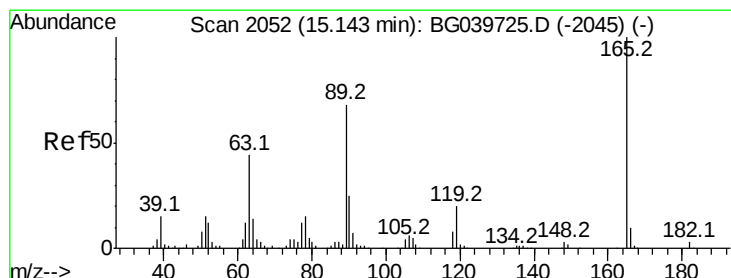
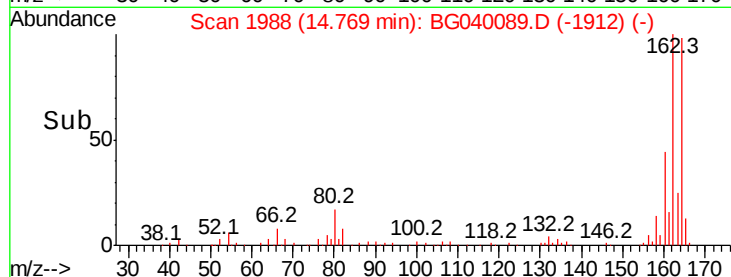
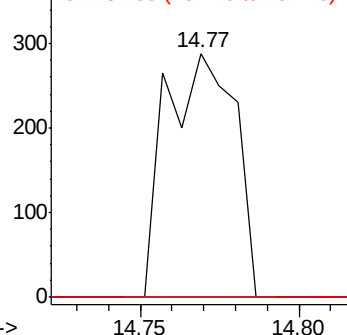
152 0.0 40.9 61.3#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

2,4-Dinitrotoluene

Concen: 4.984 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

Tgt Ion:165 Resp: 14142

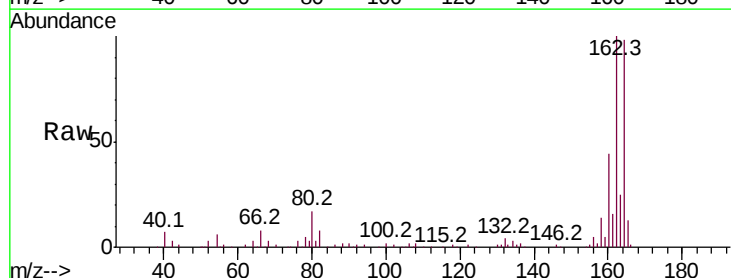
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

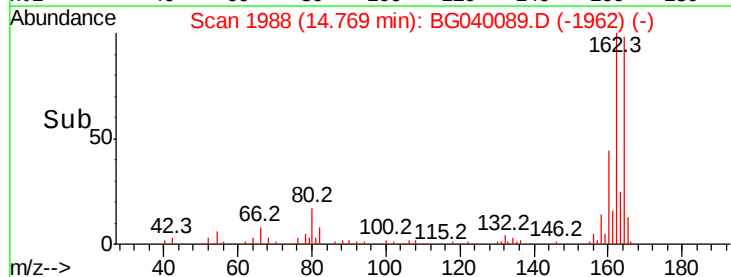
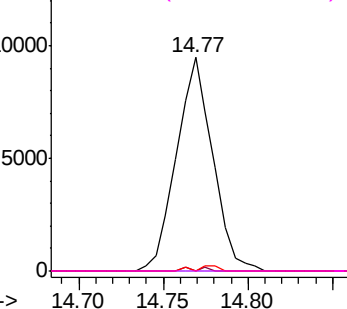


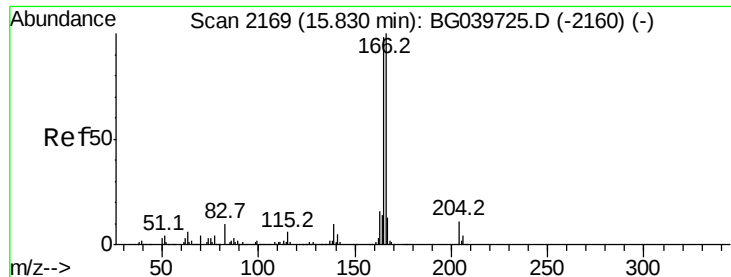
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

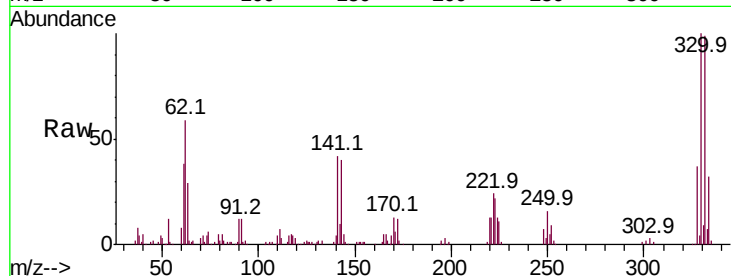




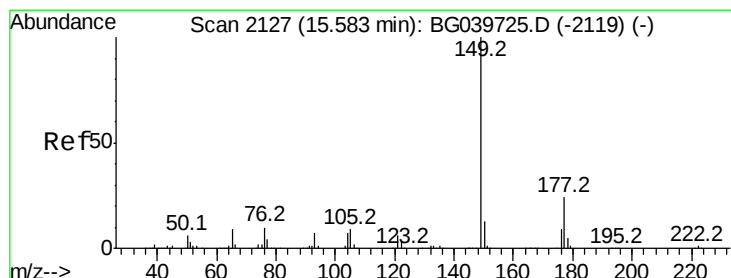
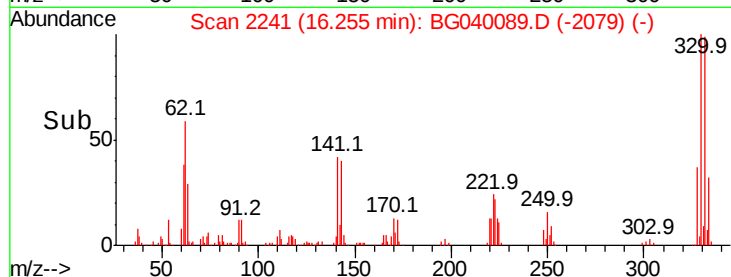
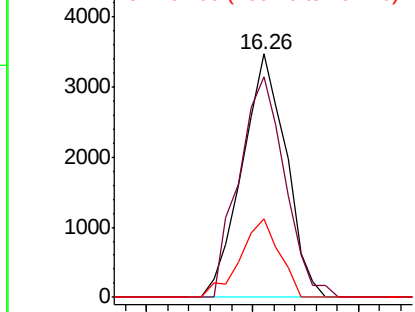
#58
 Fluorene
 Concen: 0.558 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. 0.42 min
 Lab File: BG040089.D
 Acq: 22 Mar 2019 18:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:166 Resp: 5011
 Ion Ratio Lower Upper
 166 100
 165 90.4 77.9 116.9
 167 32.4 10.8 16.2#

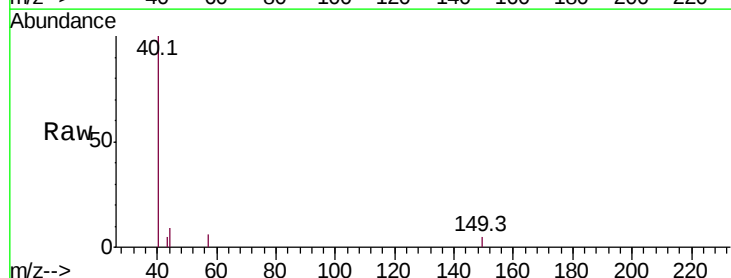


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

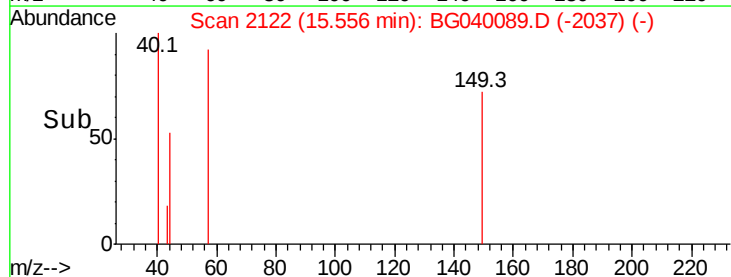
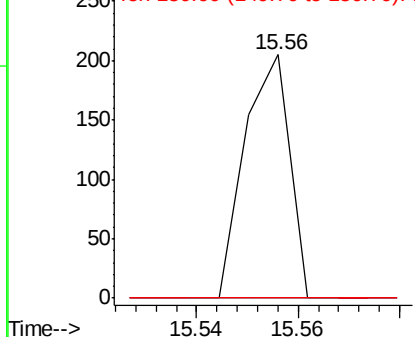


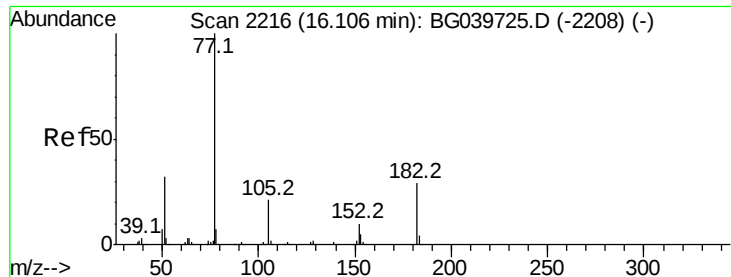
#60
 Diethylphthalate
 Concen: 0.013 ng
 RT: 15.56 min Scan# 2122
 Delta R.T. -0.03 min
 Lab File: BG040089.D
 Acq: 22 Mar 2019 18:55

Tgt 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

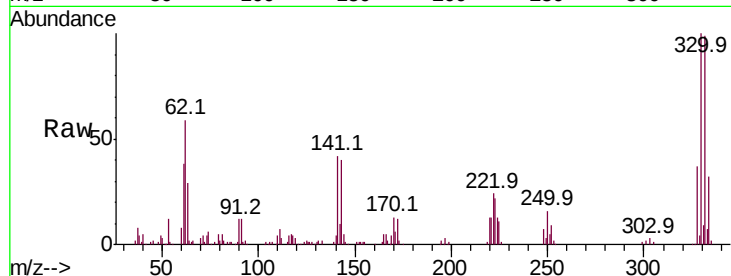




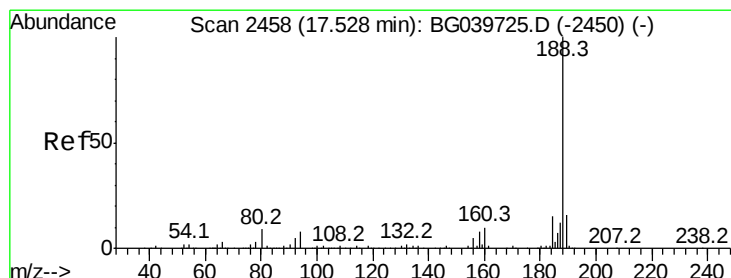
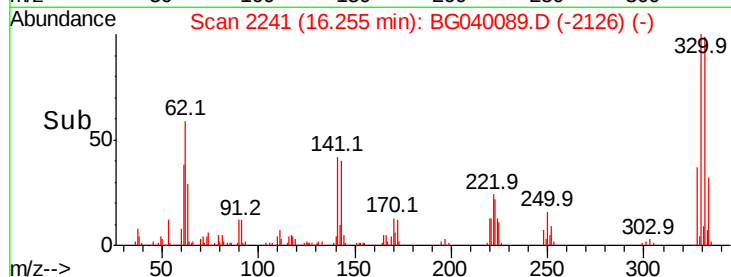
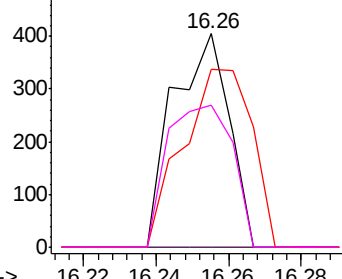
#63
Azobenzene
Concen: 0.050 ng
RT: 16.26 min Scan# 2241
Delta R.T. 0.14 min
Lab File: BG040089.D
Acq: 22 Mar 2019 18:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 431
Ion Ratio Lower Upper
77 100
182 0.0 6.4 46.4#
105 83.2 0.0 39.8#
51 66.7 14.1 54.1#

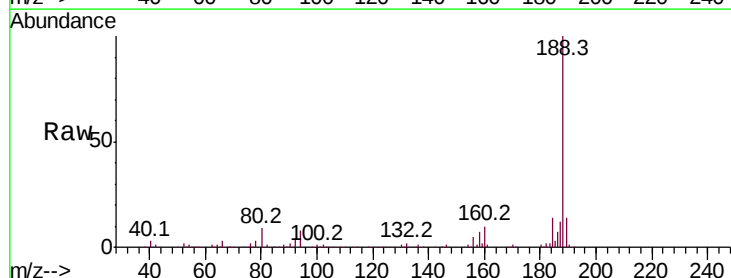


Abundance Ion 77.00 (76.70 to 77.70): BG0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BG0

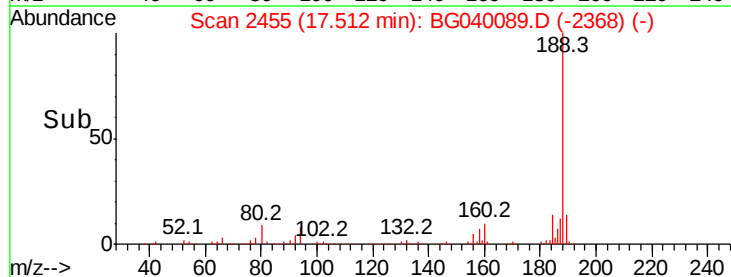
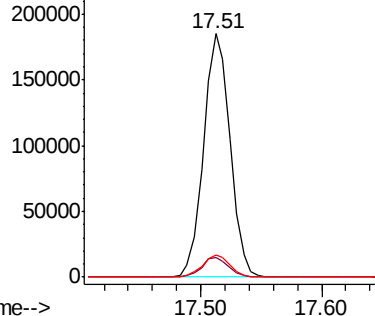


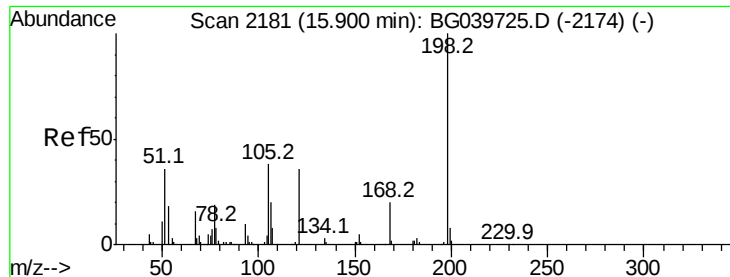
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2455
Delta R.T. -0.02 min
Lab File: BG040089.D
Acq: 22 Mar 2019 18:55

Tgt Ion: 188 Resp: 282593
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 9.1 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG0
Ion 80.00 (79.70 to 80.70): BG0

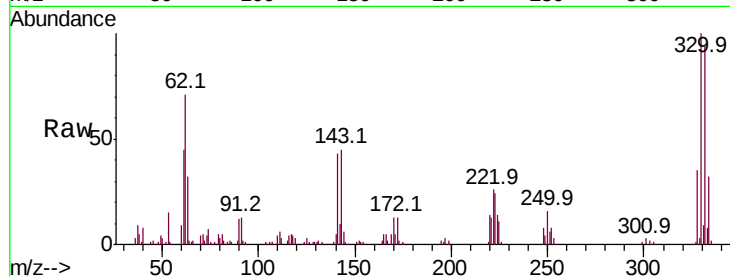




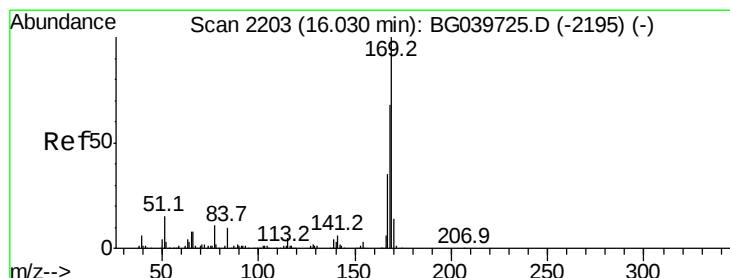
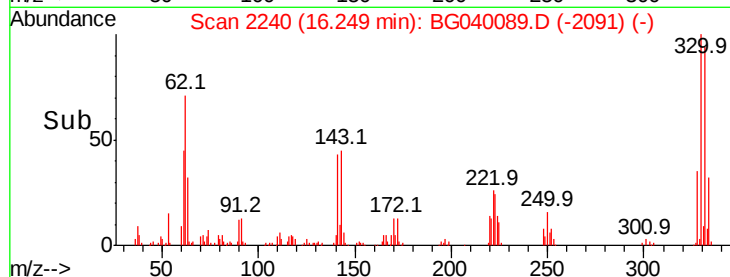
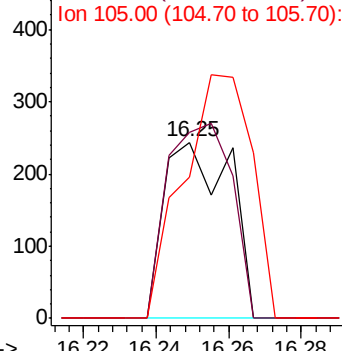
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.184 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. 0.34 min
 Lab File: BG040089.D
 Acq: 22 Mar 2019 18:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 308
 Ion Ratio Lower Upper
 198 100
 51 105.7 27.4 67.4#
 105 80.3 19.7 59.7#

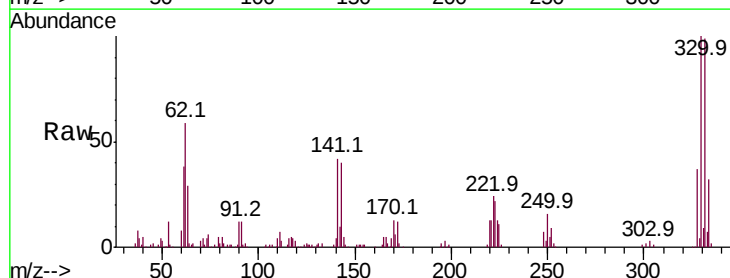


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

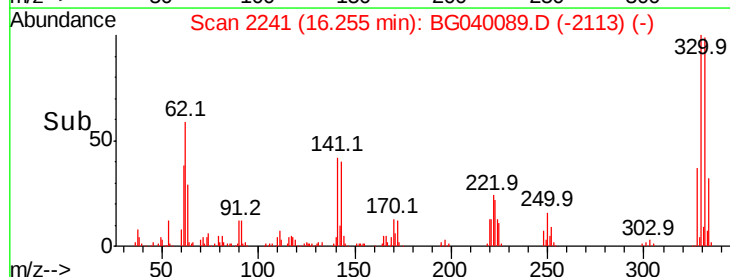
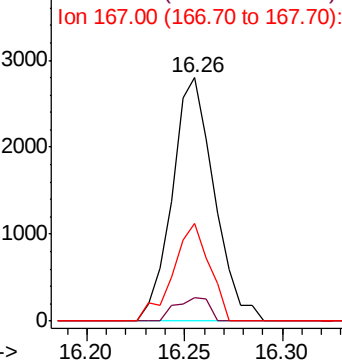


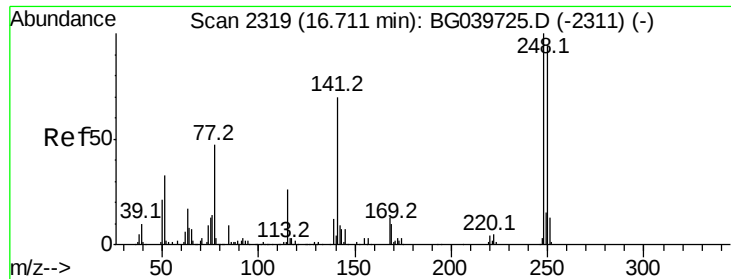
#66
 n-Nitrosodiphenylamine
 Concen: 0.510 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. 0.22 min
 Lab File: BG040089.D
 Acq: 22 Mar 2019 18:55

Tgt Ion:169 Resp: 4176
 Ion Ratio Lower Upper
 169 100
 168 9.4 56.6 85.0#
 167 40.2 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

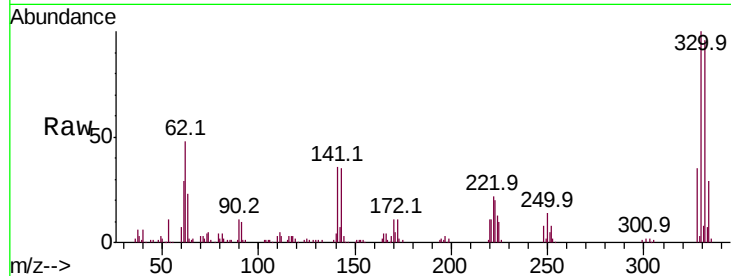




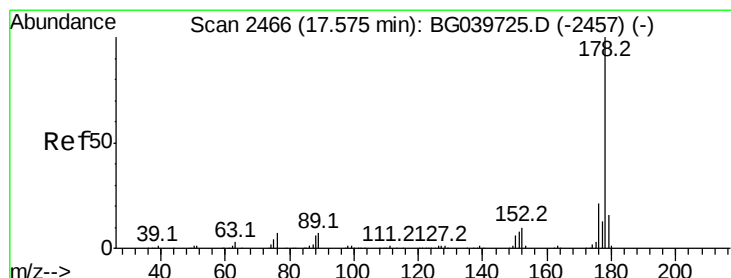
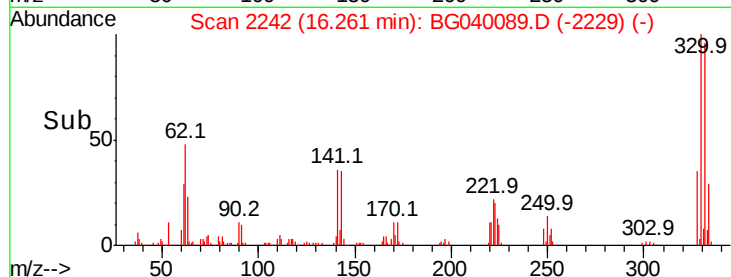
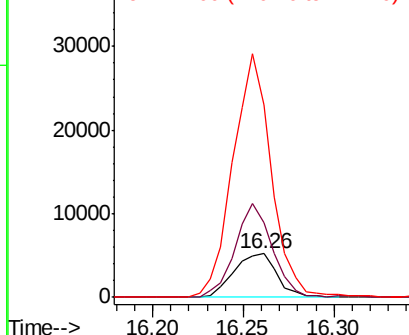
#67
4-Bromophenyl-phenylether
Concen: 2.712 ng
RT: 16.26 min Scan# 2242
Delta R.T. -0.46 min
Lab File: BG040089.D
Acq: 22 Mar 2019 18:55

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 8579
Ion Ratio Lower Upper
248 100
250 170.4 77.6 116.4#
141 441.1 63.9 95.9#

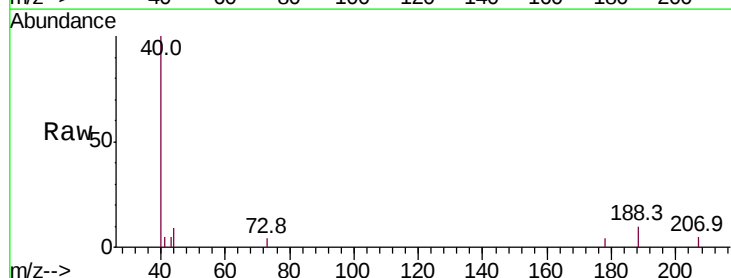


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

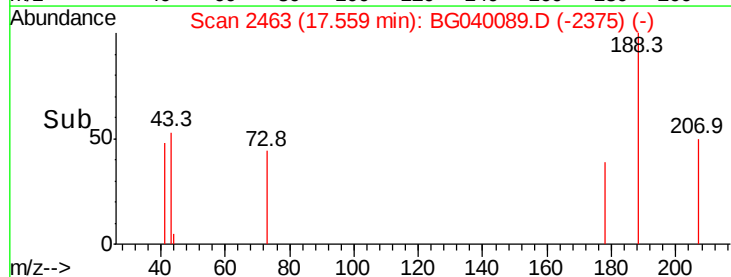
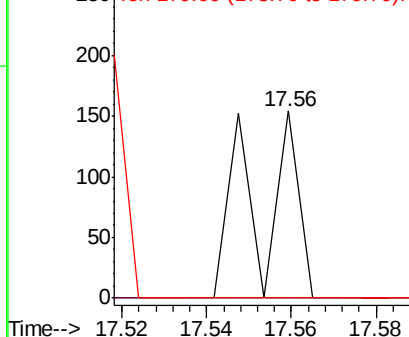


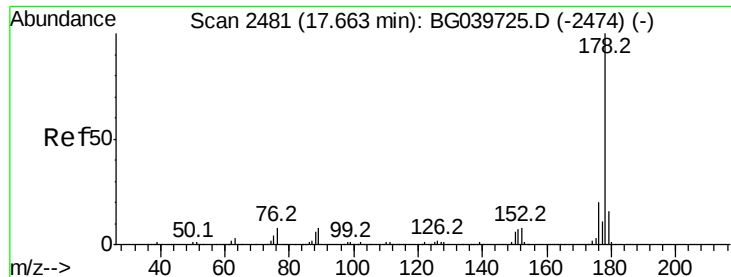
#71
Phenanthrene
Concen: 0.007 ng
RT: 17.56 min Scan# 2463
Delta R.T. -0.02 min
Lab File: BG040089.D
Acq: 22 Mar 2019 18:55

Tgt Ion:178 Resp: 108
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: 0.007 ng

RT: 17.56 min Scan# 2463

Delta R.T. -0.11 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

Instrument :

BNA_G

ClientSampled :

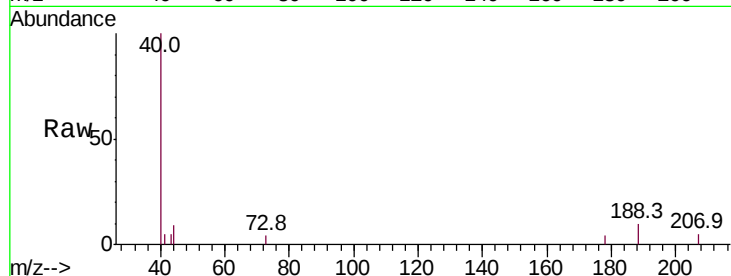
Tot Ion:178 Resp: 108

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.6#

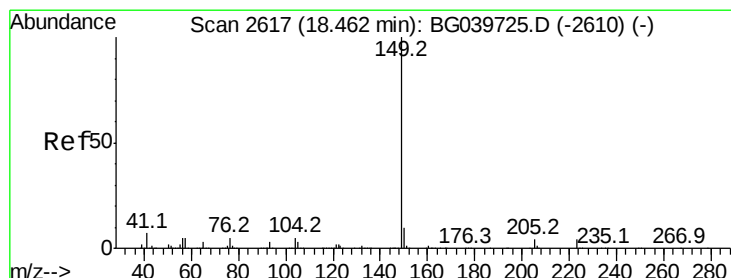
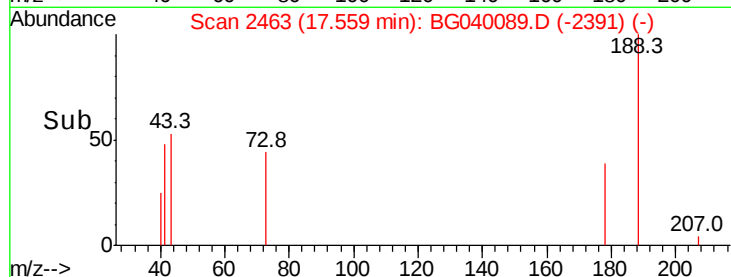
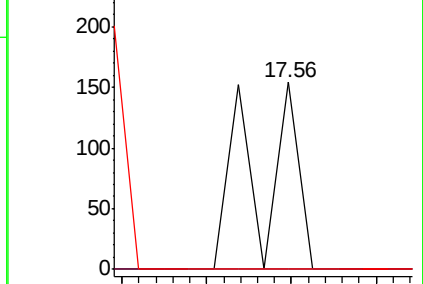
179 0.0 12.5 18.7#



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: 0.028 ng

RT: 18.45 min Scan# 2614

Delta R.T. -0.02 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

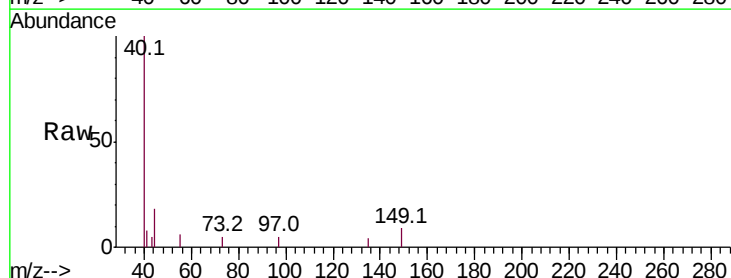
Tgt Ion:149 Resp: 448

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

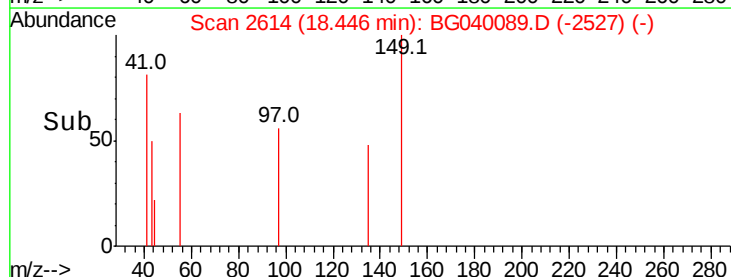
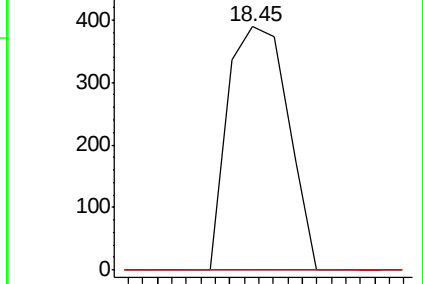
104 0.0 4.5 6.7#

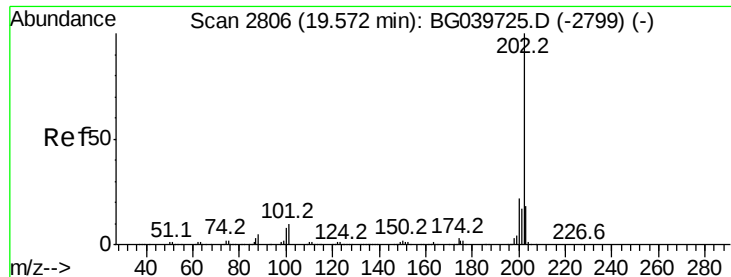


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 0.003 ng

RT: 19.93 min Scan# 2867

Delta R.T. 0.35 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

Instrument :

BNA_G

ClientSampleId :

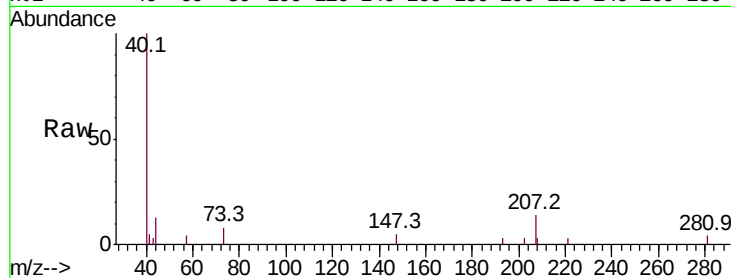
Tot Ion:202 Resp: 59

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.0

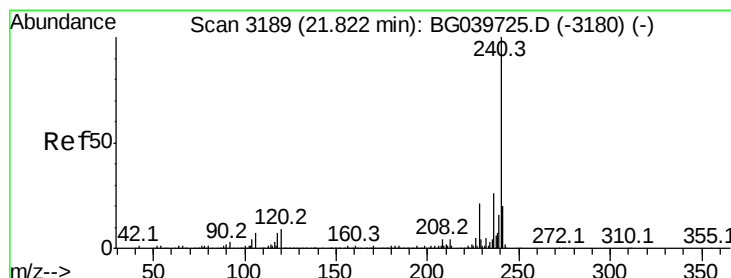
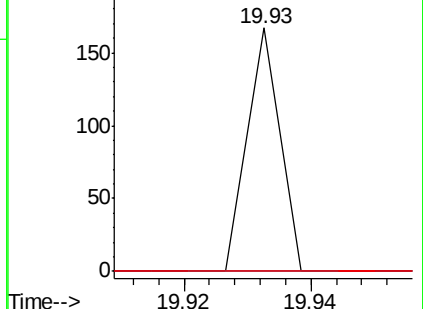
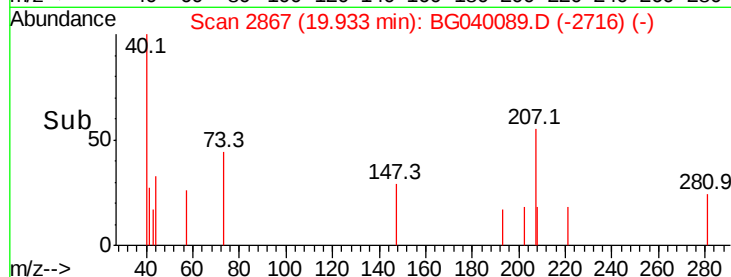
203 0.0 0.0 38.9



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3185

Delta R.T. -0.03 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

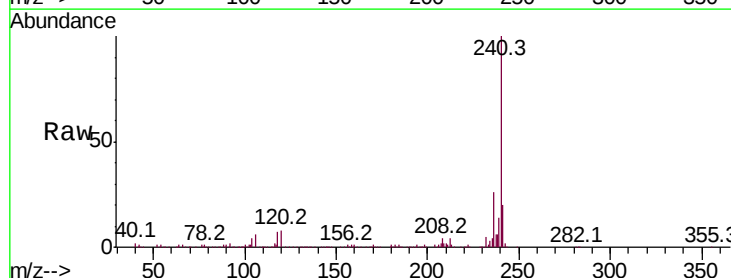
Tgt Ion:240 Resp: 303944

Ion Ratio Lower Upper

240 100

120 8.1 7.0 10.6

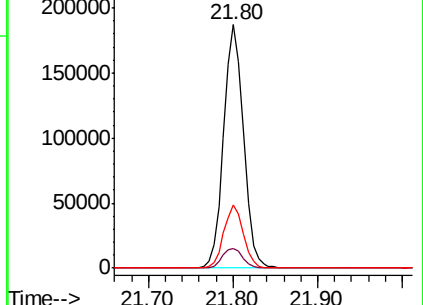
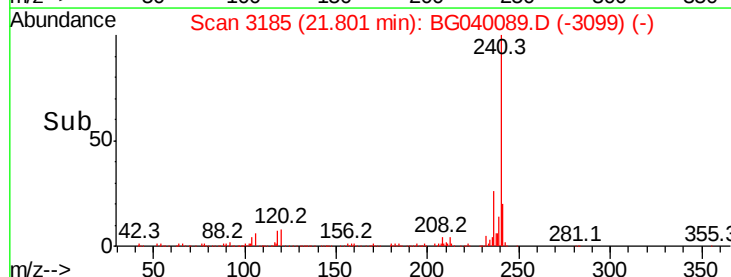
236 26.0 21.0 31.4

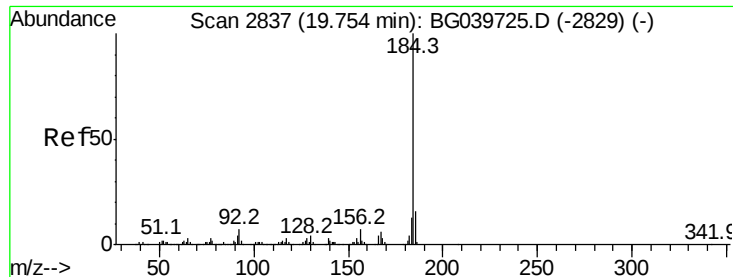


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.575 ng

RT: 20.10 min Scan# 2896

Delta R.T. 0.35 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

Instrument :

BNA_G

ClientSampleId :

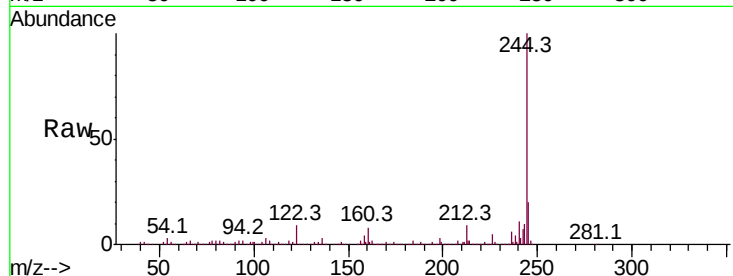
Tot Ion:184 Resp: 15195

Ion Ratio Lower Upper

184 100

185 13.8 12.2 18.2

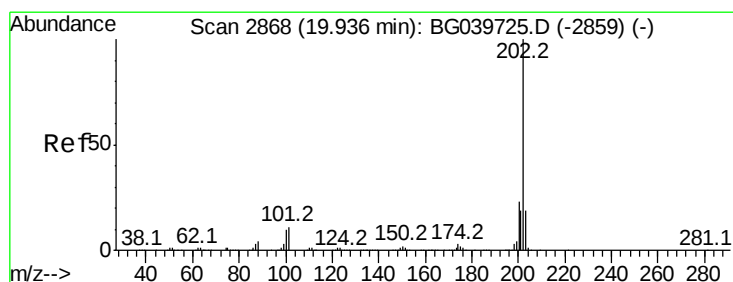
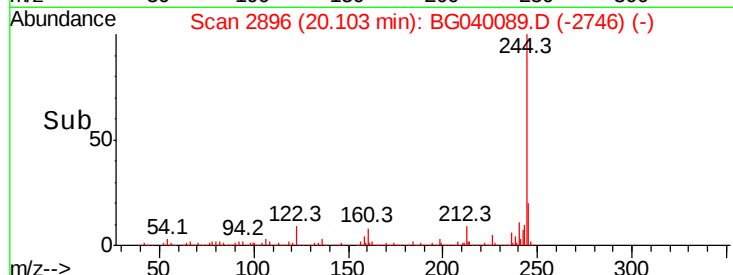
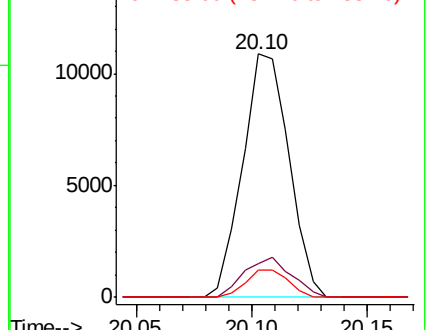
183 11.3 10.6 15.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.181 ng

RT: 20.10 min Scan# 2896

Delta R.T. 0.16 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

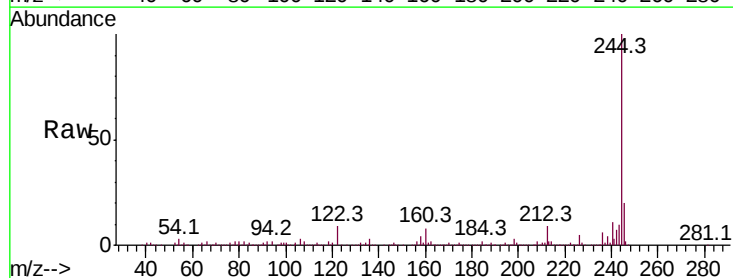
Tgt Ion:202 Resp: 3567

Ion Ratio Lower Upper

202 100

200 52.2 17.8 26.8#

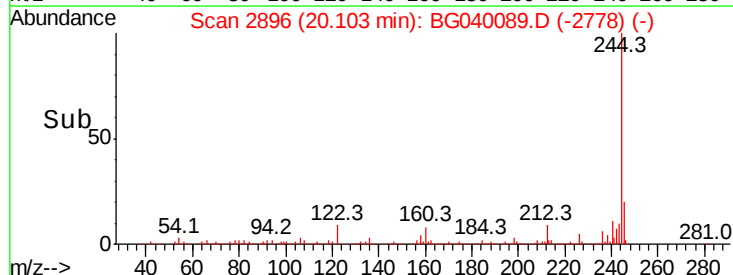
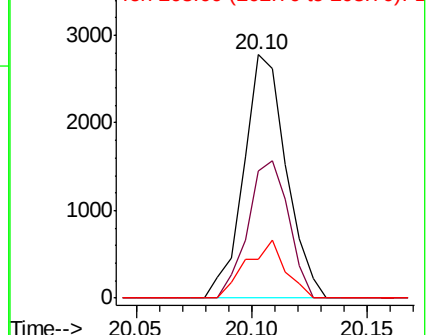
203 15.8 15.3 22.9

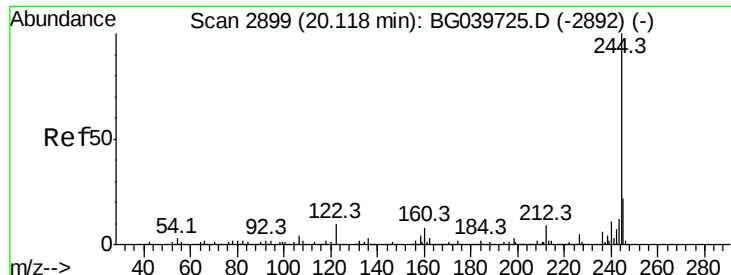


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 68.413 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

Instrument :

BNA_G

ClientSampled :

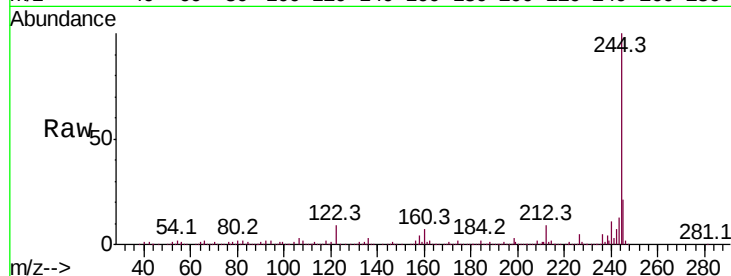
Tot Ion:244 Resp: 944393

Ion Ratio Lower Upper

244 100

212 8.6 7.3 10.9

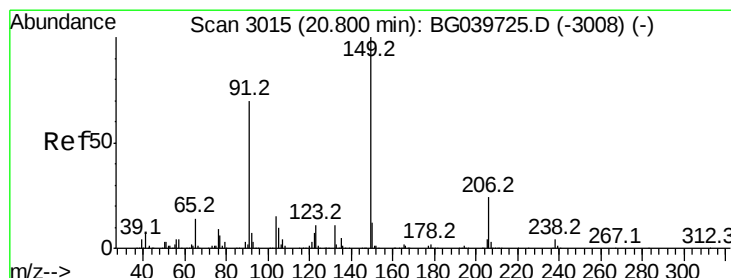
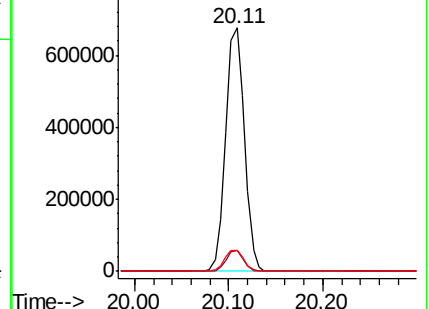
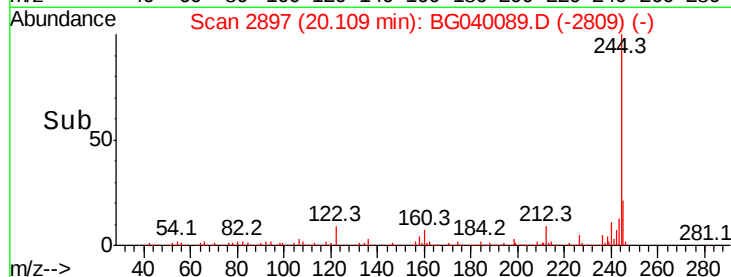
122 8.6 8.4 12.6



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: 0.007 ng

RT: 20.78 min Scan# 3011

Delta R.T. -0.03 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

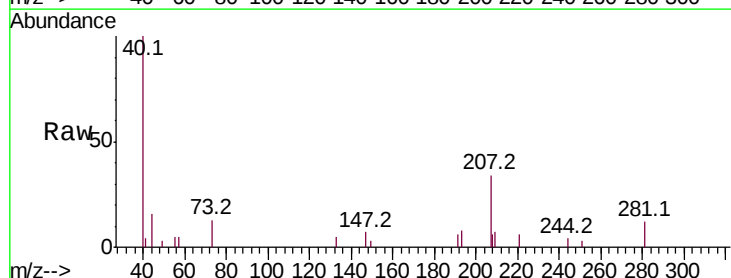
Tgt Ion:149 Resp: 53

Ion Ratio Lower Upper

149 100

91 0.0 59.5 89.3#

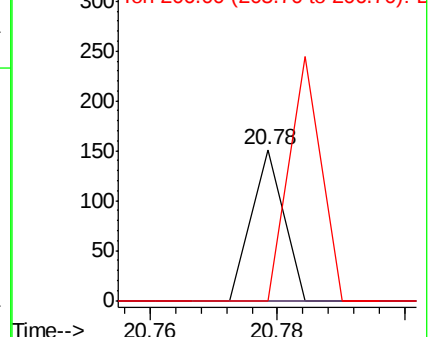
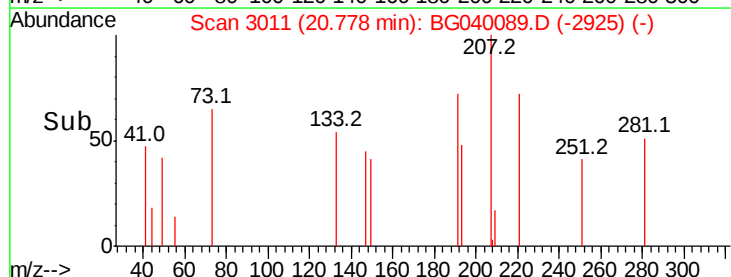
206 0.0 18.6 27.8#

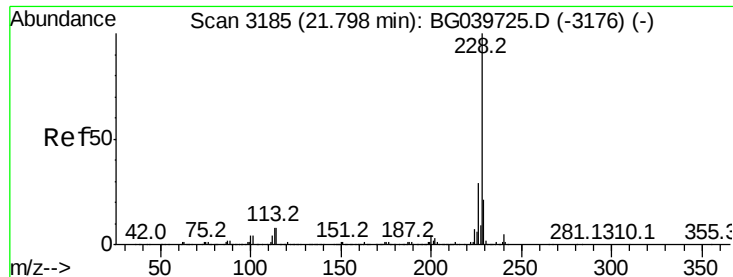


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.044 ng

RT: 21.80 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

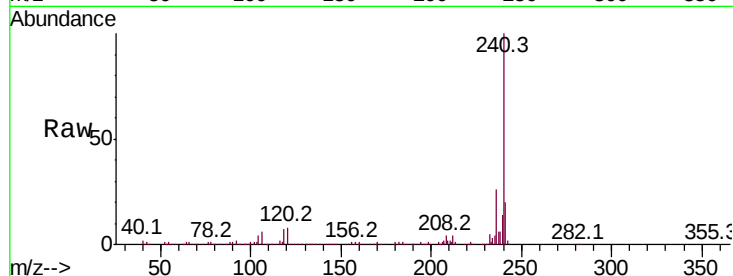
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 840

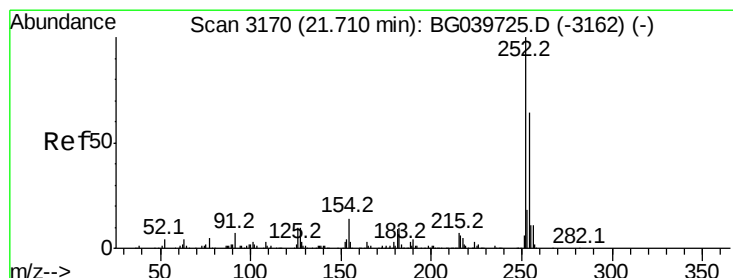
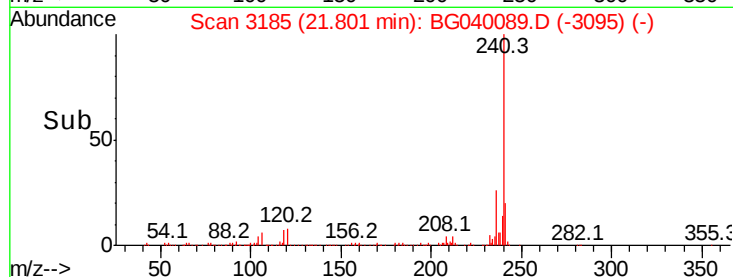
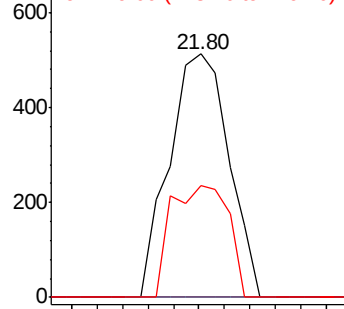
Ion	Ratio	Lower	Upper
228	100		
226	0.0	23.0	34.6#
229	46.0	16.9	25.3#



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



#82

3,3'-Dichlorobenzidine

Concen: 0.008 ng

RT: 21.71 min Scan# 3170

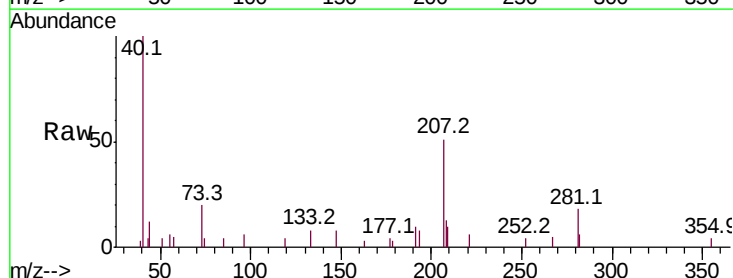
Delta R.T. -0.00 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

Tgt Ion:252 Resp: 57

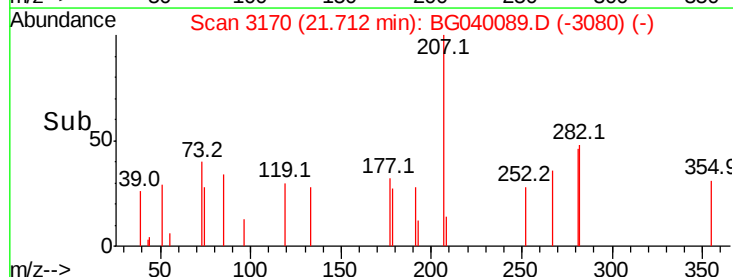
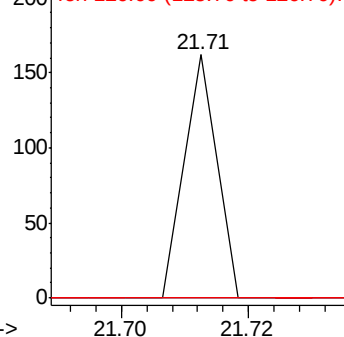
Ion	Ratio	Lower	Upper
252	100		
254	0.0	51.3	76.9#
126	0.0	8.0	12.0#

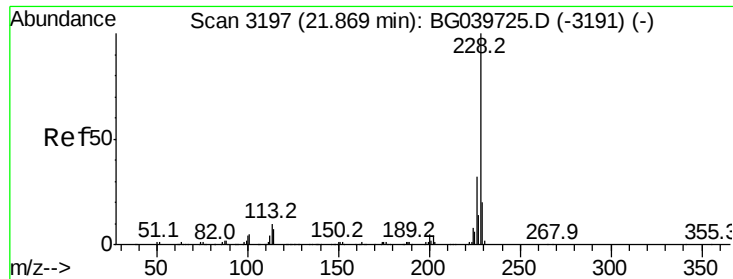


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 0.045 ng

RT: 21.80 min Scan# 3185

Delta R.T. -0.07 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

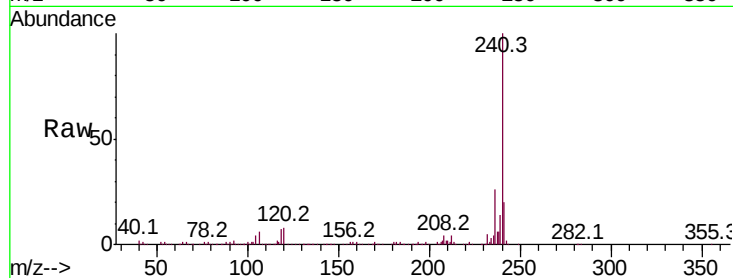
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 840

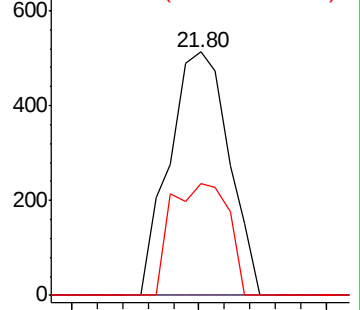
Ion	Ratio	Lower	Upper
228	100		
226	0.0	25.8	38.6#
229	46.0	16.6	25.0#



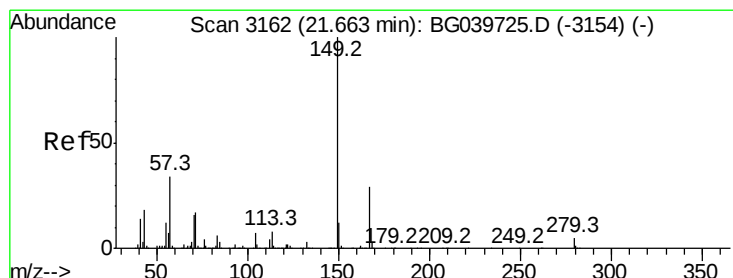
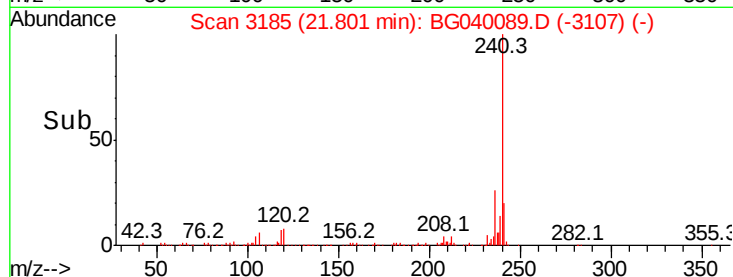
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.75 21.80



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.099 ng

RT: 21.64 min Scan# 3158

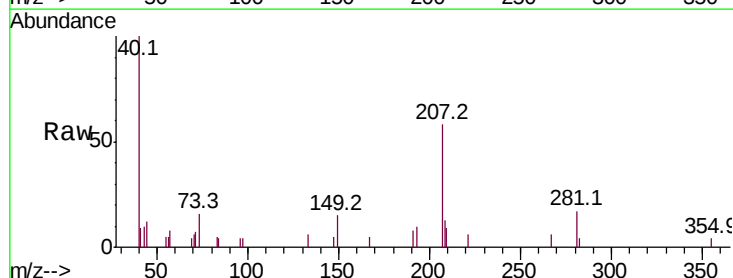
Delta R.T. -0.03 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

Tgt Ion:149 Resp: 1061

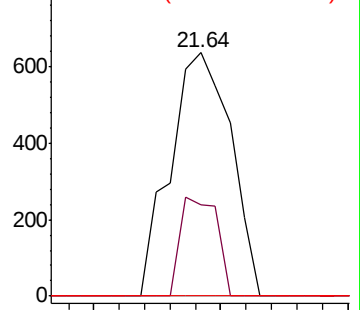
Ion	Ratio	Lower	Upper
149	100		
167	37.7	22.6	34.0#
279	0.0	3.5	5.3#



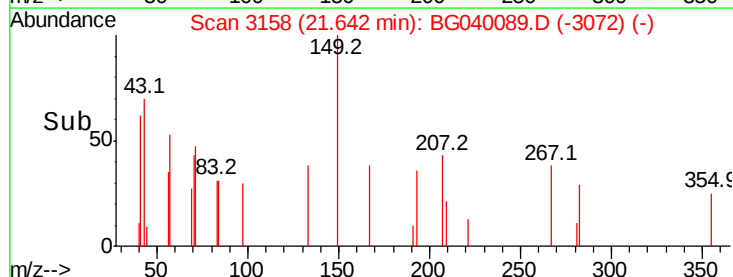
Abundance Ion 149.00 (148.70 to 149.70): E

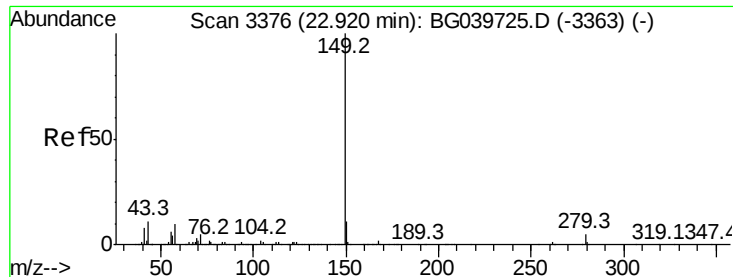
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 21.60 21.65

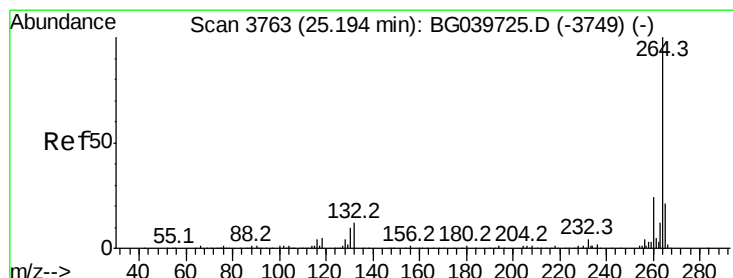
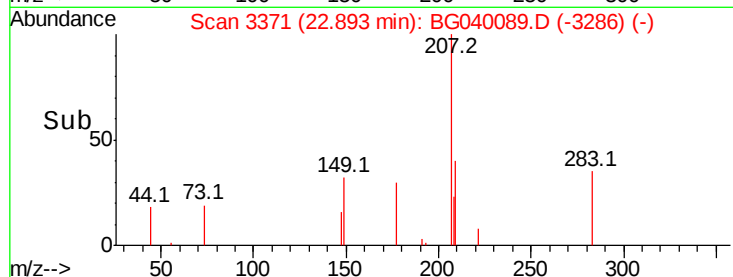
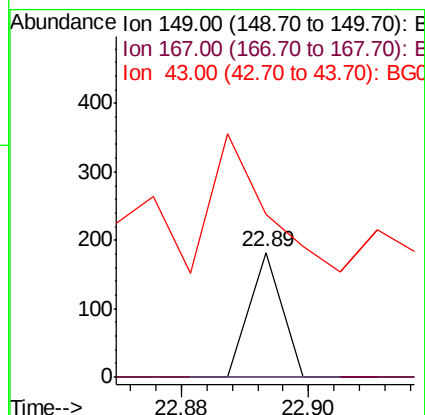
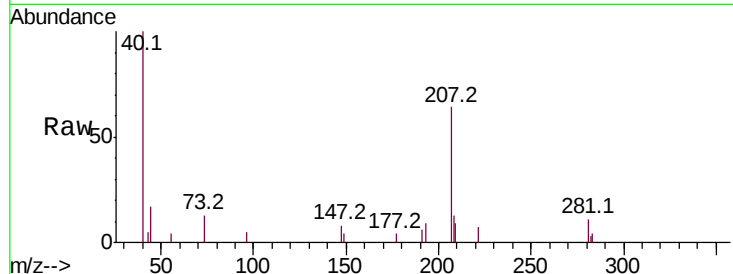




#85
Di-n-octyl phthalate
Concen: 0.004 ng
RT: 22.89 min Scan# 3371
Delta R.T. -0.03 min
Lab File: BG040089.D
Acq: 22 Mar 2019 18:55

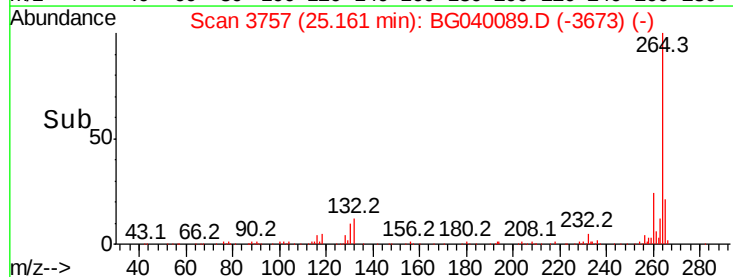
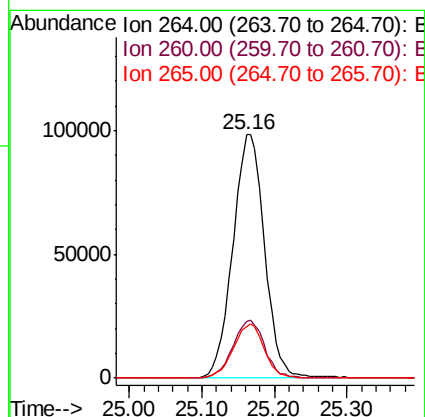
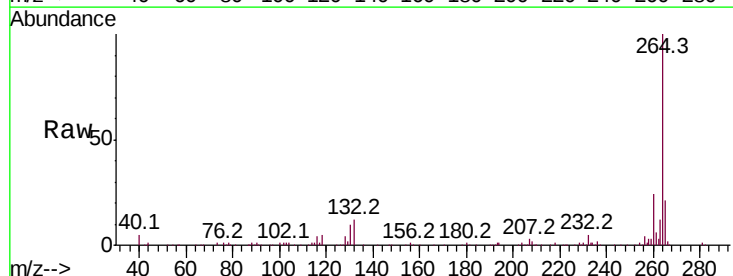
Instrument :
BNA_G
ClientSampled :

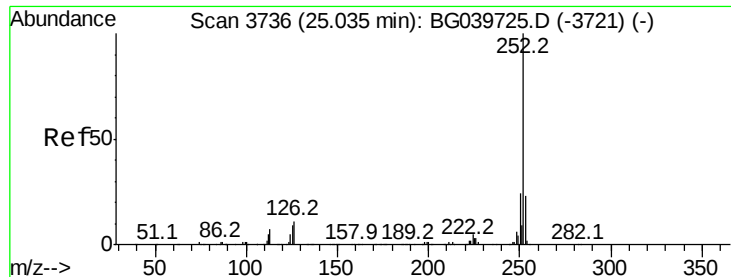
Tot Ion:149 Resp: 64
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 393.8 10.2 15.4#



#87
Perylene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3757
Delta R.T. -0.04 min
Lab File: BG040089.D
Acq: 22 Mar 2019 18:55

Tgt Ion:264 Resp: 298087
Ion Ratio Lower Upper
264 100
260 23.6 18.2 27.4
265 21.4 18.5 27.7





#90

Benzo(a)pyrene

Concen: 0.059 ng

RT: 25.17 min Scan# 3759

Delta R.T. 0.13 min

Lab File: BG040089.D

Acq: 22 Mar 2019 18:55

Instrument :

BNA_G

ClientSampleId :

Tot Ion:252 Resp: 973

Ion Ratio Lower Upper

252 100

253 51.6 17.9 26.9#

125 0.0 8.3 12.5#

