

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032219\
 Data File : BG040084.D
 Acq On : 22 Mar 2019 15:34
 Operator : JU/SJ
 Sample : K2040-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 23 02:05:56 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	51317	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	203269	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	131296	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	315973	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	283724	20.00	ng	-0.02
87) Perylene-d12	25.16	264	285641	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.70	112	399706	132.88	ng	-0.01
7) Phenol-d6	7.29	99	557155	124.22	ng	-0.02
23) Nitrobenzene-d5	9.32	82	336150	89.44	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	210933	137.83	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	708908	76.88	ng	-0.02
79) Terphenyl-d14	20.11	244	1002300	77.78	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.68	88	116	0.084	ng	# 10
4) n-Nitrosodimethylamine	3.93	42	130	0.074	ng	# 1
6) Aniline	7.31	93	63	0.011	ng	# 1
9) Benzaldehyde	7.30	77	1169	0.404	ng	# 4
10) Phenol	7.32	94	7480	1.539	ng	# 81
11) bis(2-Chloroethyl)ether	7.66	93	617	0.163	ng	# 1
15) Benzyl Alcohol	8.47	79	5602	1.575	ng	# 50
16) 2,2'-oxybis(1-Chloropropan	8.43	45	57	0.008	ng	# 75
19) n-Nitroso-di-n-propylamine	9.32	70	43762	13.556	ng	# 69
24) Nitrobenzene	9.32	77	1328	0.337	ng	# 47
26) 2-Nitrophenol	10.38	139	69	0.036	ng	# 31
35) Caprolactam	11.91	113	153	0.120	ng	# 27
46) 1,1'-Biphenyl	13.61	154	844	0.078	ng	# 41
48) 2-Nitroaniline	14.21	65	446	0.171	ng	# 1
50) Dimethylphthalate	14.21	163	73440	6.689	ng	# 97
51) 2,6-Dinitrotoluene	14.21	165	688	0.296	ng	# 1
52) Acenaphthene	14.77	154	365	0.045	ng	# 5
57) 2,4-Dinitrotoluene	14.77	165	16899	5.167	ng	# 20
58) Fluorene	16.25	166	8986	0.868	ng	# 95
60) Diethylphthalate	15.57	149	472	0.043	ng	# 58
63) Azobenzene	16.25	77	1146	0.116	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.25	198	715	0.383	ng	# 1
66) n-Nitrosodiphenylamine	16.26	169	8933	0.977	ng	# 42
67) 4-Bromophenyl-phenylether	16.26	248	16584	4.689	ng	# 1
71) Phenanthrene	17.56	178	284	0.016	ng	# 59
72) Anthracene	17.56	178	284	0.017	ng	# 60
74) Di-n-butylphthalate	18.44	149	1182	0.066	ng	# 78
75) Fluoranthene	19.57	202	341	0.017	ng	# 63
77) Benzidine	20.11	184	17343	1.926	ng	# 92
78) Pyrene	19.92	202	127	0.007	ng	# 55
80) Butylbenzylphthalate	20.79	149	171	0.024	ng	# 62
81) Benzo(a)anthracene	21.80	228	782	0.044	ng	# 57
82) 3,3'-Dichlorobenzidine	21.47	252	62	0.010	ng	# 1
83) Chrysene	21.80	228	782	0.045	ng	# 53

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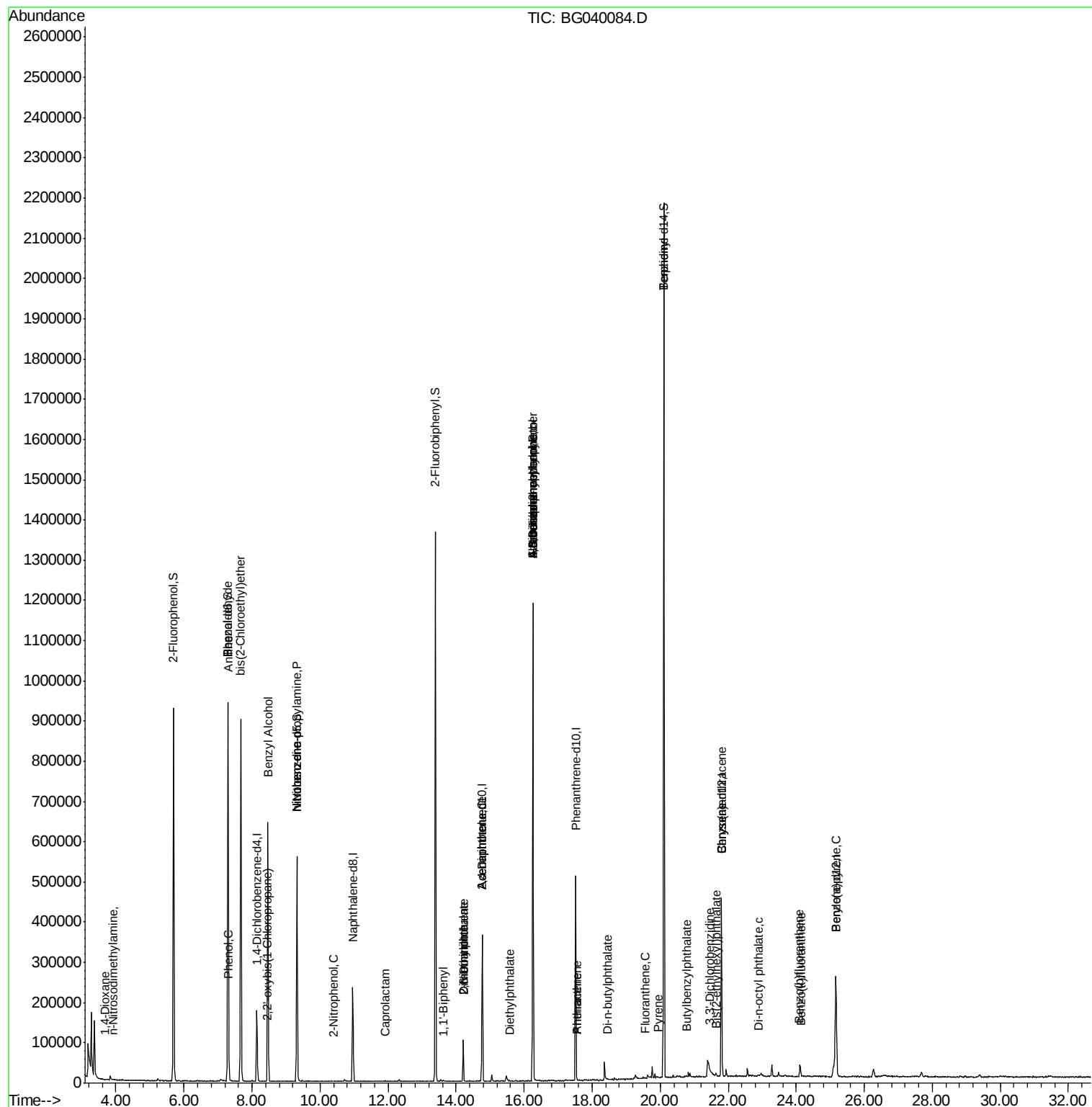
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Bis(2-ethylhexyl)phthalate	21.64	149	3210	0.320	nq	# 78
85) Di-n-octyl phthalate	22.90	149	372	0.022	nq	# 1
88) Benzo(b)fluoranthene	24.10	252	69	0.004	nq	# 1
89) Benzo(k)fluoranthene	24.14	252	54	0.003	nq	# 1
90) Benzo(a)pyrene	25.16	252	1225	0.078	nq	# 59

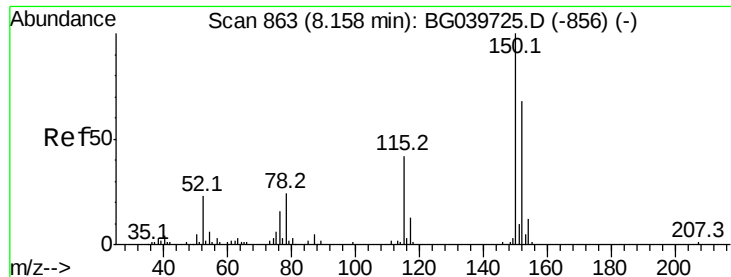
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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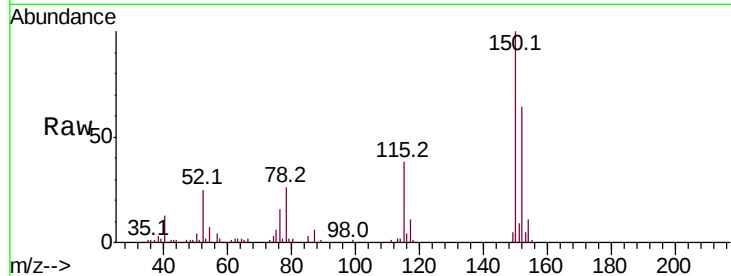


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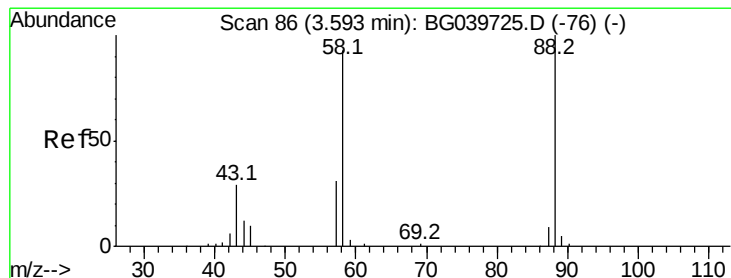
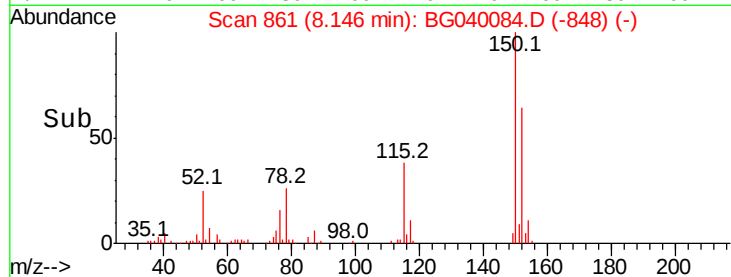
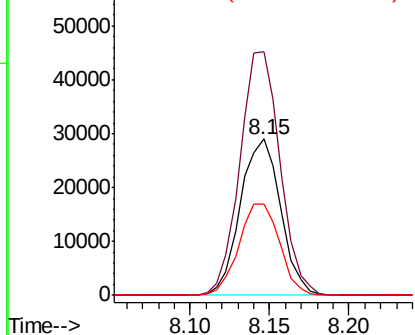
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG040084.D
Acq: 22 Mar 2019 15:34

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 51317
Ion Ratio Lower Upper
152 100
150 156.0 123.7 185.5
115 58.8 45.9 68.9



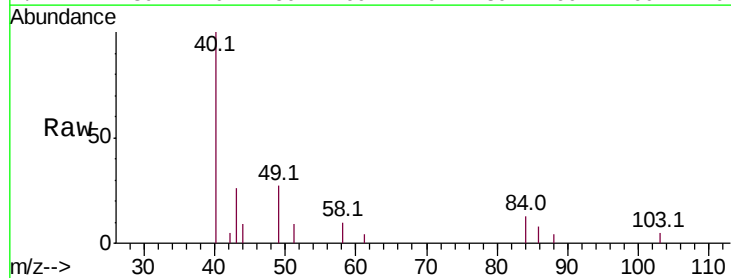
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



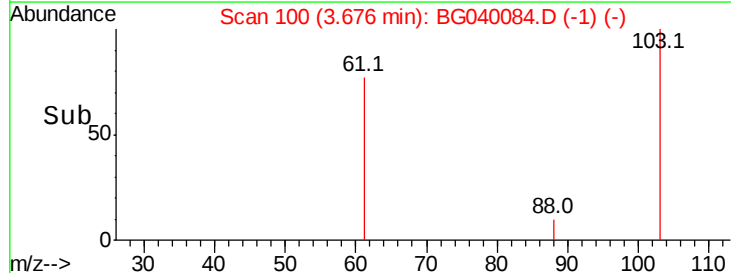
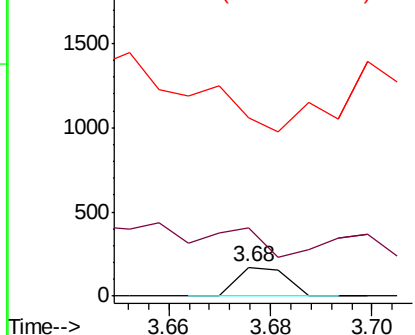
#2

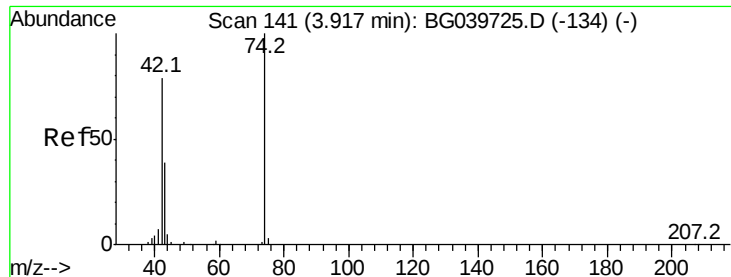
1,4-Dioxane
Concen: 0.084 ng
RT: 3.68 min Scan# 100
Delta R.T. 0.07 min
Lab File: BG040084.D
Acq: 22 Mar 2019 15:34

Tgt Ion: 88 Resp: 116
Ion Ratio Lower Upper
88 100
58 0.0 81.1 121.7#
43 0.0 31.4 47.0#



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



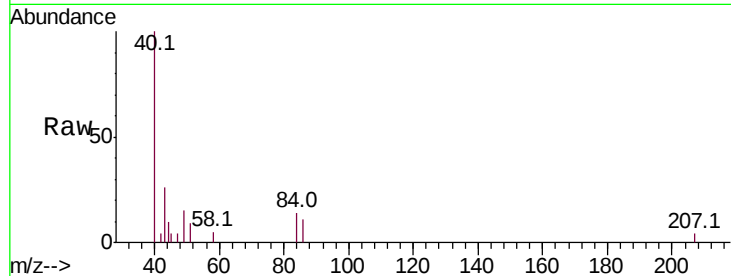


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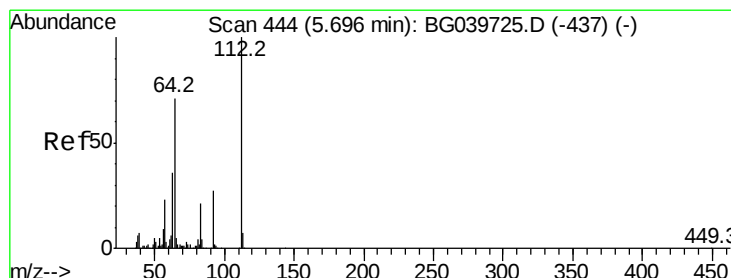
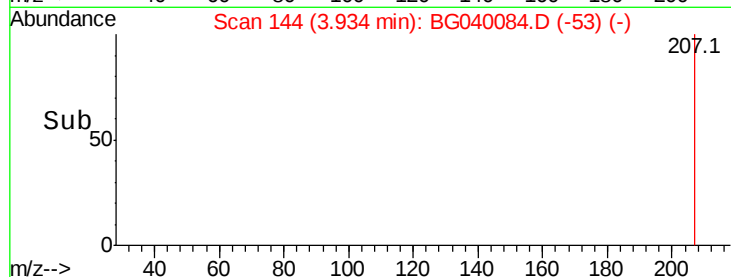
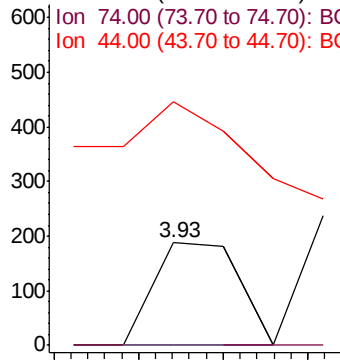
n-Nitrosodimethylamine
Concen: 0.074 ng
RT: 3.93 min Scan# 144
Delta R.T. 0.01 min
Lab File: BG040084.D
Acq: 22 Mar 2019 15:34

Instrument :
BNA_G
ClientSampled :

Tot Ion: 42 Resp: 130
Ion Ratio Lower Upper
42 100
74 0.0 83.6 125.4#
44 237.2 6.9 10.3#



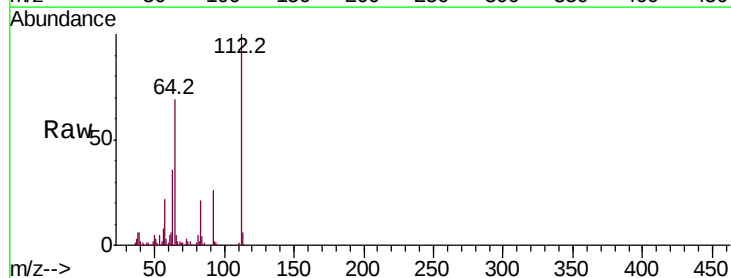
Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC



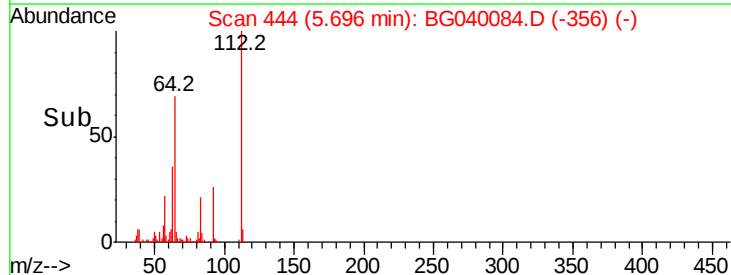
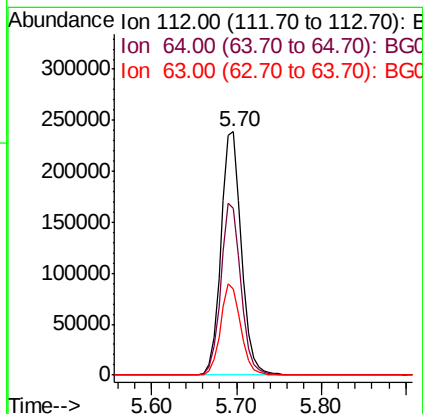
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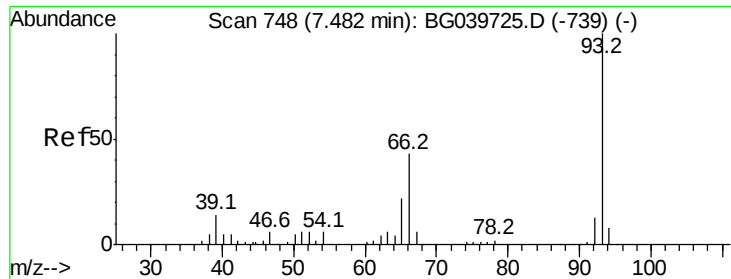
2-Fluorophenol
Concen: 132.880 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.01 min
Lab File: BG040084.D
Acq: 22 Mar 2019 15:34

Tgt Ion: 112 Resp: 399706
Ion Ratio Lower Upper
112 100
64 68.6 57.8 86.8
63 35.6 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: 0.011 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.19 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

Instrument :

BNA_G

ClientSampleId :

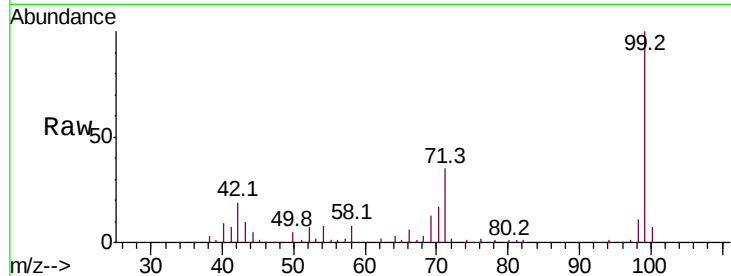
Tot Ion: 93 Resp: 63

Ion Ratio Lower Upper

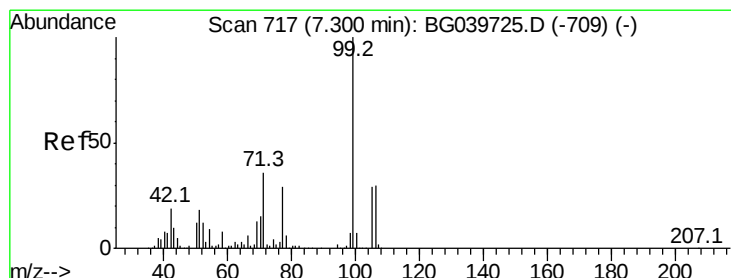
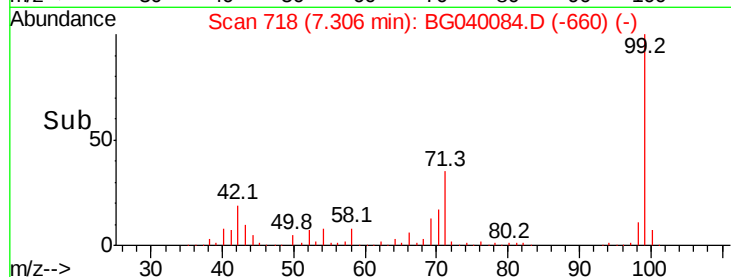
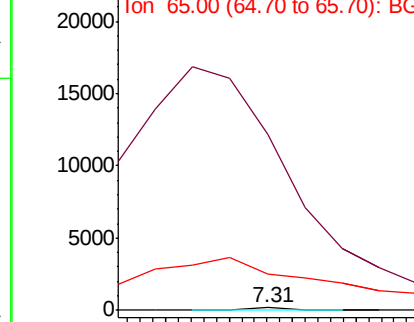
93 100

66 6859.0 34.2 51.4#

65 1414.6 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: 124.223 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

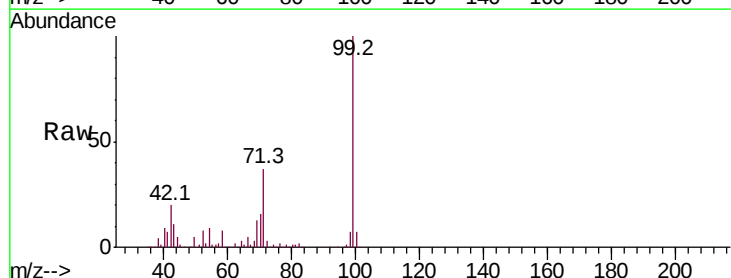
Tgt Ion: 99 Resp: 557155

Ion Ratio Lower Upper

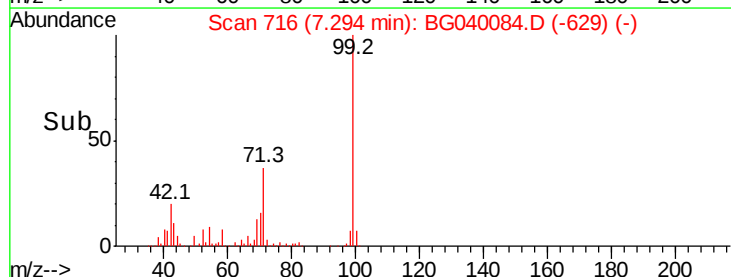
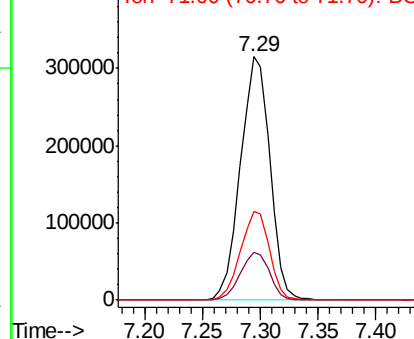
99 100

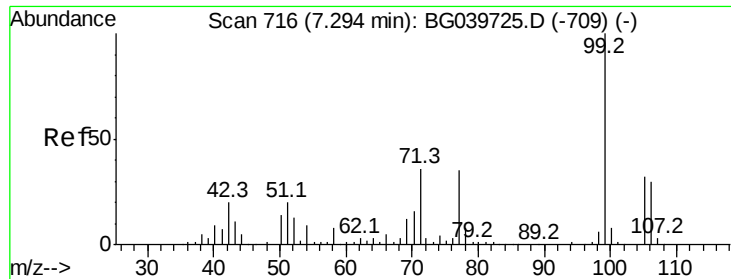
42 19.5 18.2 27.2

71 36.6 28.0 42.0



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

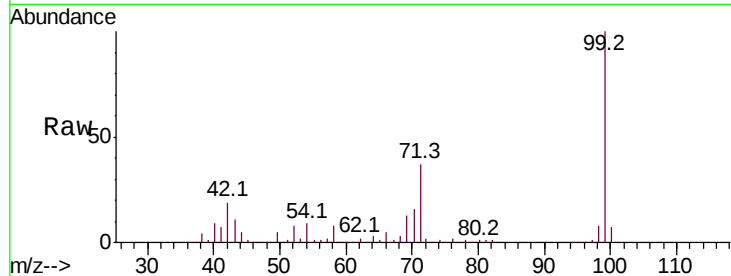




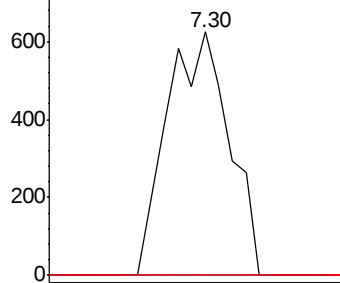
#9
Benzaldehyde
Concen: 0.404 ng
RT: 7.30 min Scan# 717
Delta R.T. -0.01 min
Lab File: BG040084.D
Acq: 22 Mar 2019 15:34

Instrument :
BNA_G
ClientSampleId :

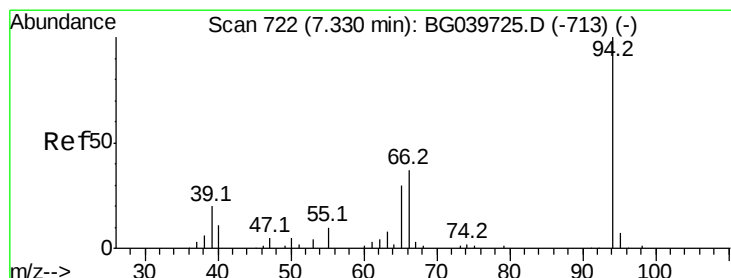
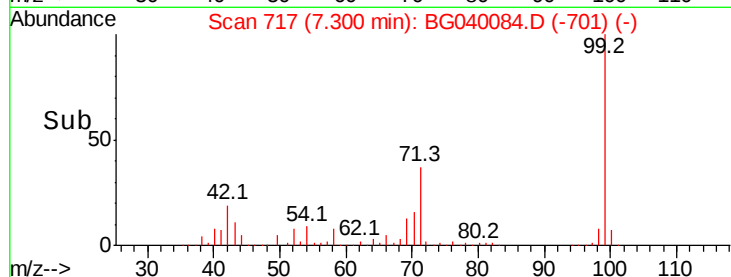
Tot Ion: 77 Resp: 1169
Ion Ratio Lower Upper
77 100
105 0.0 74.5 114.5#
106 0.0 68.0 108.0#



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

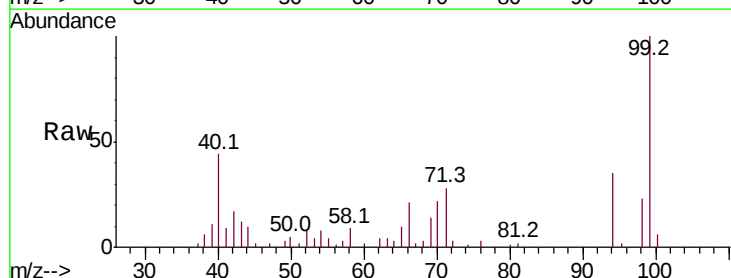


Time-->

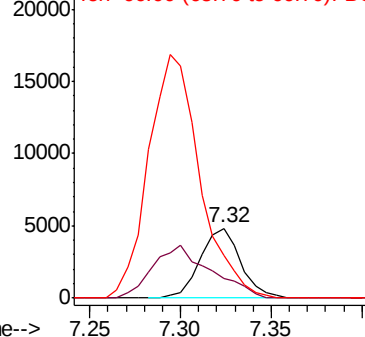


#10
Phenol
Concen: 1.539 ng
RT: 7.32 min Scan# 721
Delta R.T. -0.01 min
Lab File: BG040084.D
Acq: 22 Mar 2019 15:34

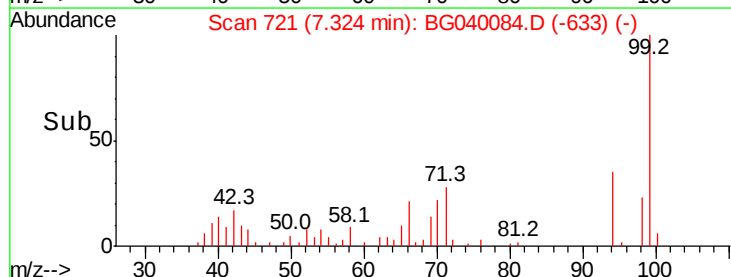
Tgt Ion: 94 Resp: 7480
Ion Ratio Lower Upper
94 100
65 27.9 11.7 51.7
66 61.9 23.7 63.7

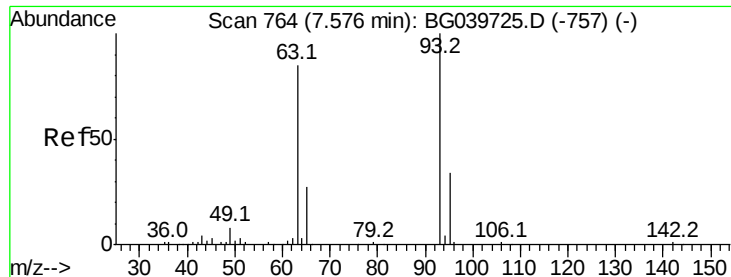


Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



Time-->





#11

bis(2-Chloroethyl)ether

Concen: 0.163 ng

RT: 7.66 min Scan# 779

Delta R.T. 0.08 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

Instrument :

BNA_G

ClientSampled :

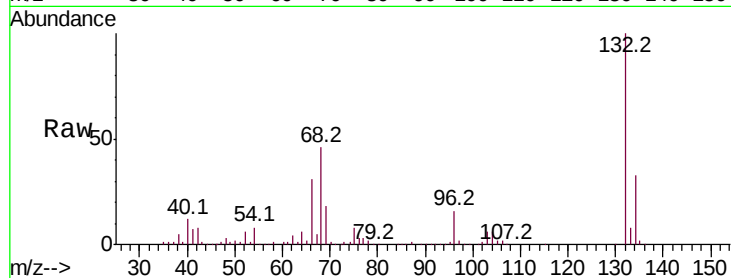
Tot Ion: 93 Resp: 617

Ion Ratio Lower Upper

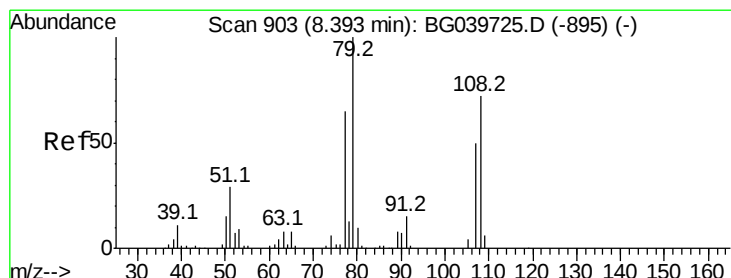
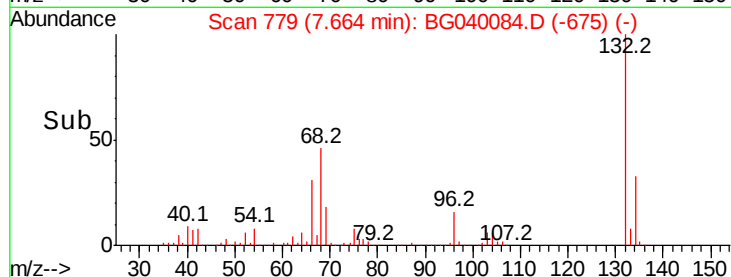
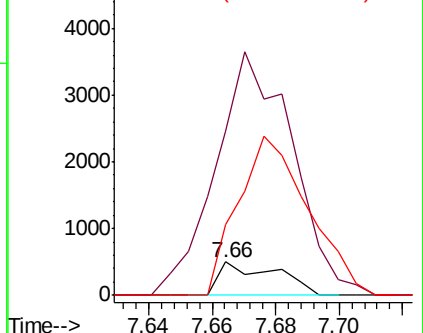
93 100

63 494.4 69.5 109.5#

95 211.4 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: 1.575 ng

RT: 8.47 min Scan# 916

Delta R.T. 0.06 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

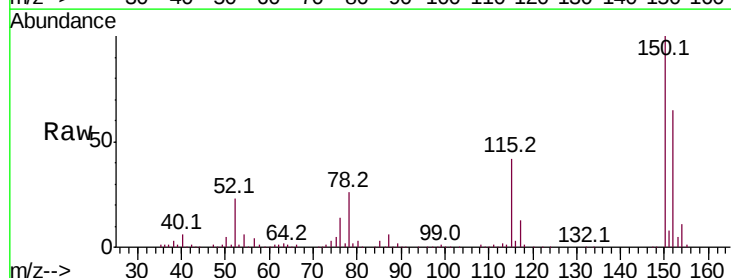
Tgt Ion: 79 Resp: 5602

Ion Ratio Lower Upper

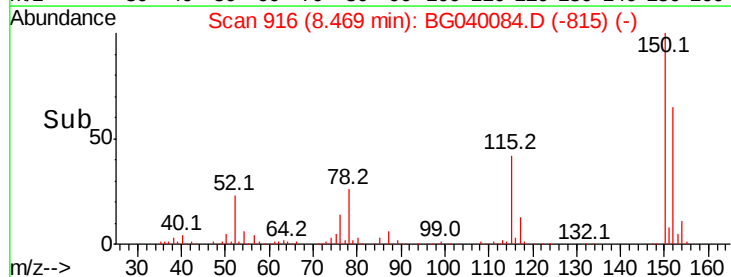
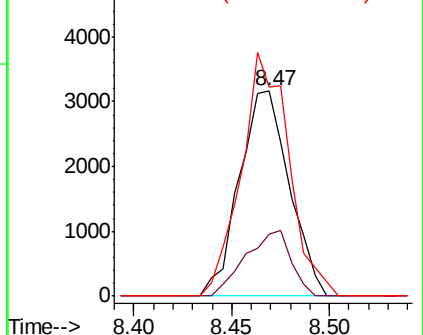
79 100

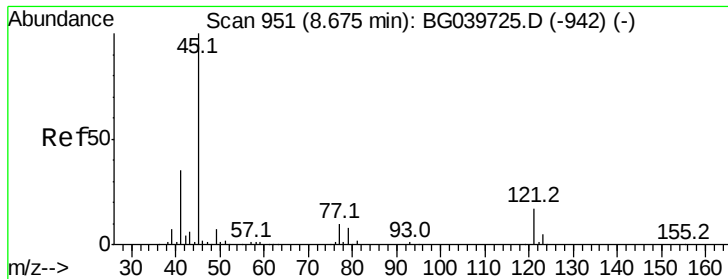
108 30.1 57.8 86.6#

77 101.9 51.1 76.7#



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





#16

2,2'-oxvbis(1-Chloropropane)

Concen: 0.008 ng

RT: 8.43 min Scan# 910

Delta R.T. -0.25 min

Lab File: BG040084.D

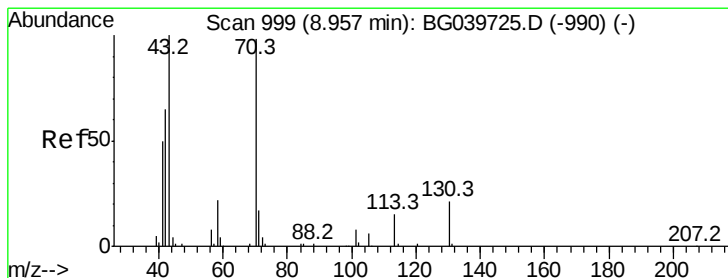
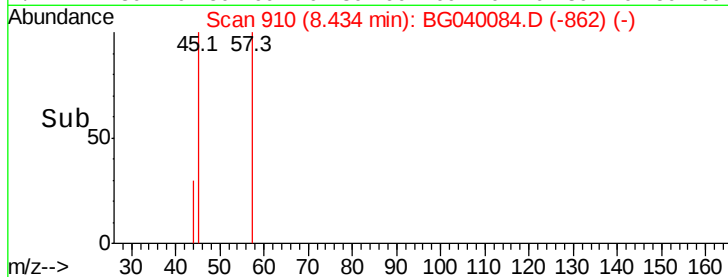
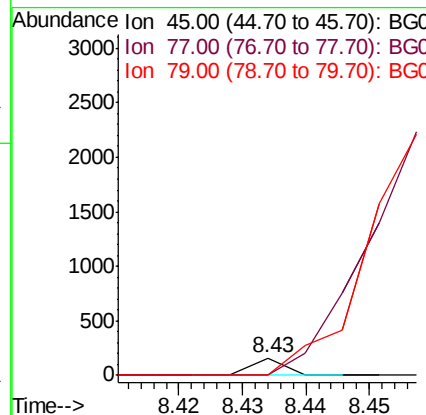
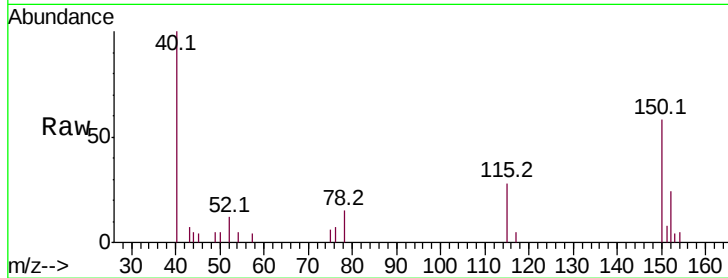
Acq: 22 Mar 2019 15:34

Instrument :

BNA_G

ClientSampled :

Tot Ion:	45	Resp:	57
Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	30.0
79	0.0	0.0	27.5



#19

n-Nitroso-di-n-propylamine

Concen: 13.556 ng

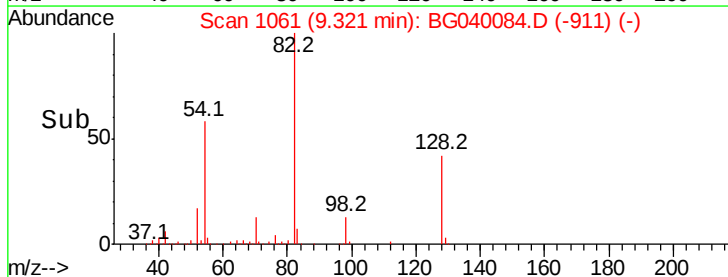
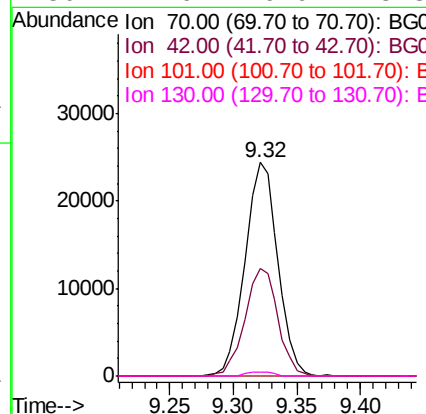
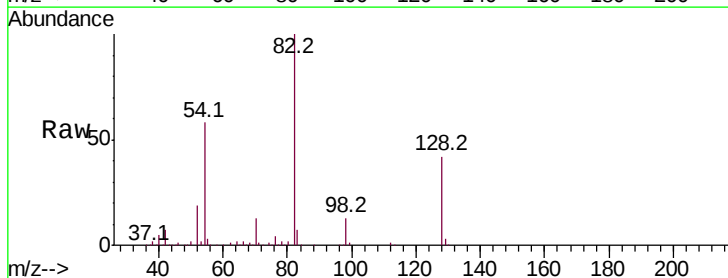
RT: 9.32 min Scan# 1061

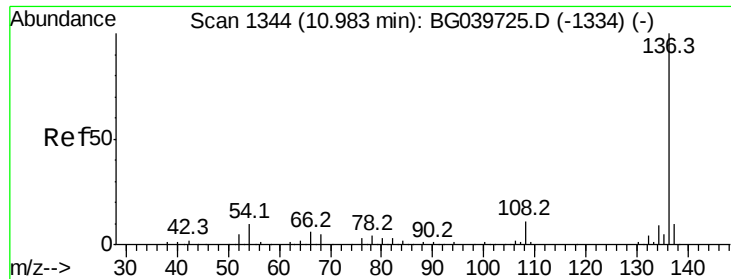
Delta R.T. 0.35 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

Tgt Ion:	70	Resp:	43762
Ion	Ratio	Lower	Upper
70	100		
42	50.5	60.4	90.6#
101	0.0	7.5	11.3#
130	1.6	16.9	25.3#

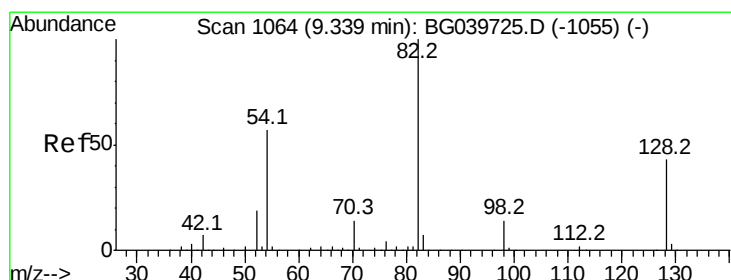
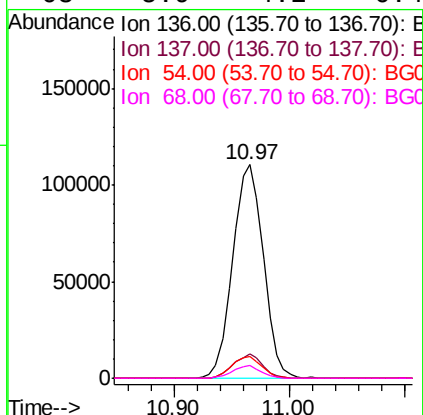
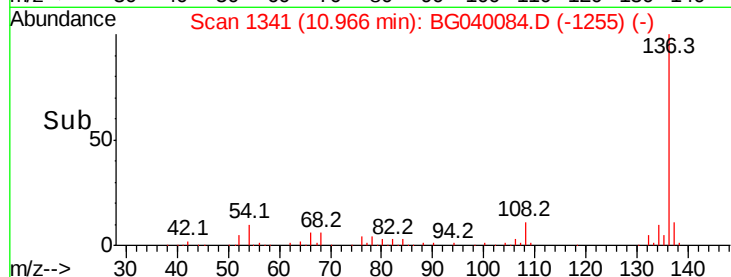
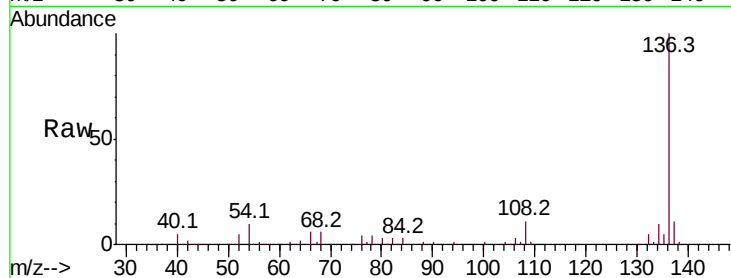




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040084.D
Acq: 22 Mar 2019 15:34

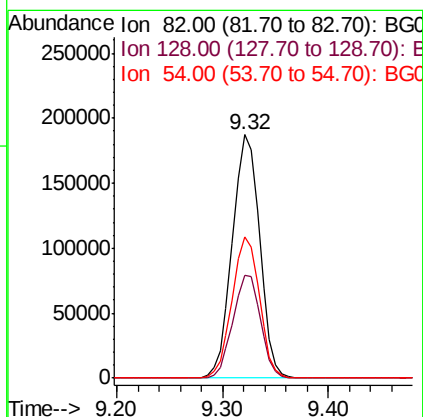
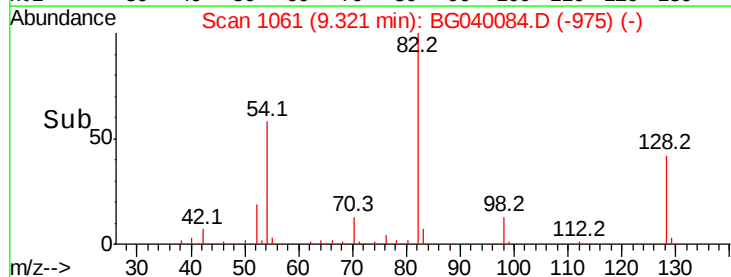
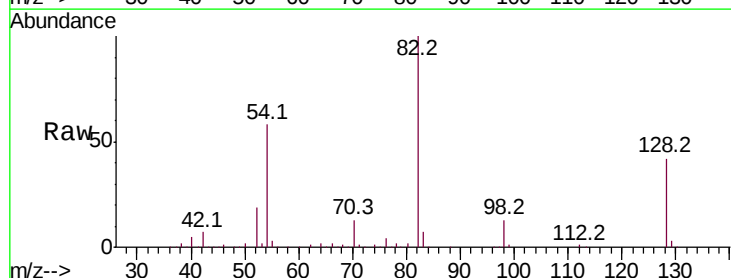
Instrument :
BNA_G
ClientSampleId :

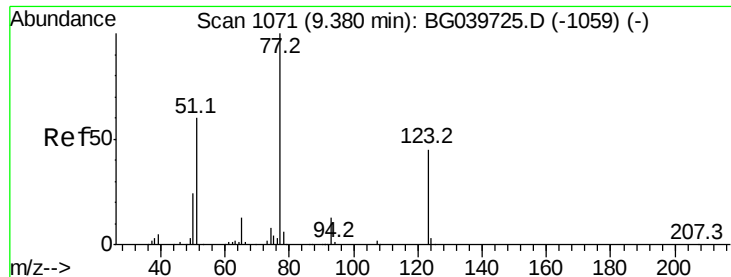
Tot Ion:136	Resp:	203269
Ion Ratio	Lower	Upper
136 100		
137 11.1	9.1	13.7
54 10.3	9.4	14.2
68 5.9	4.2	6.4



#23
Nitrobenzene-d5
Concen: 89.440 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040084.D
Acq: 22 Mar 2019 15:34

Tgt Ion: 82	Resp: 336150
Ion Ratio	Lower Upper
82 100	
128 42.4	31.3 46.9
54 58.0	50.9 76.3





#24

Nitrobenzene

Concen: 0.337 ng

RT: 9.32 min Scan# 1061

Delta R.T. -0.07 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

Instrument :

BNA_G

ClientSampleId :

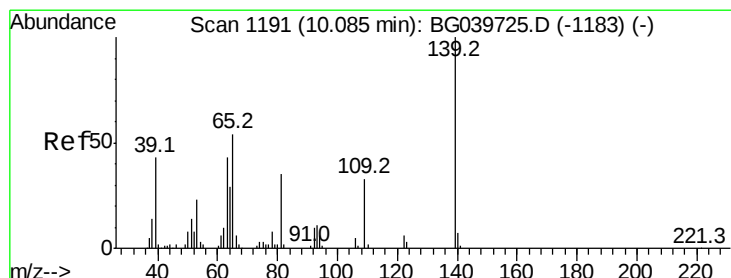
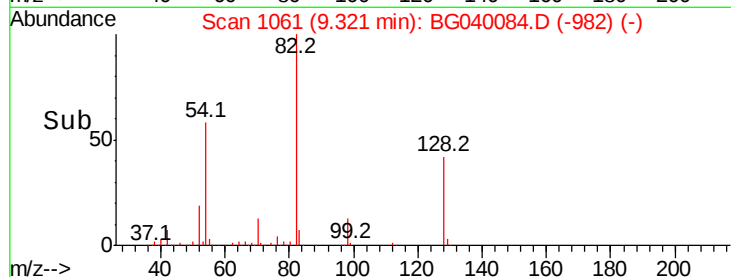
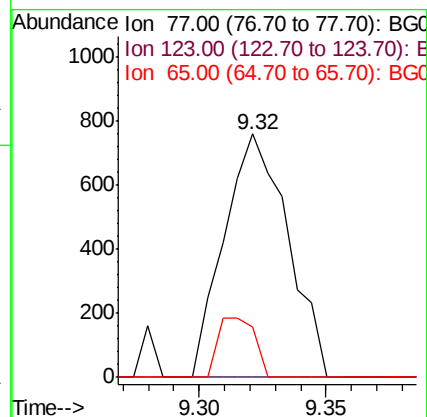
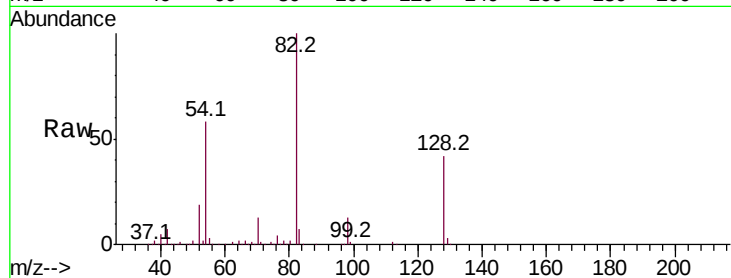
Tot Ion: 77 Resp: 1328

Ion Ratio Lower Upper

77 100

123 0.0 34.1 51.1#

65 20.9 12.3 18.5#



#26

2-Nitrophenol

Concen: 0.036 ng

RT: 10.38 min Scan# 1242

Delta R.T. 0.29 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

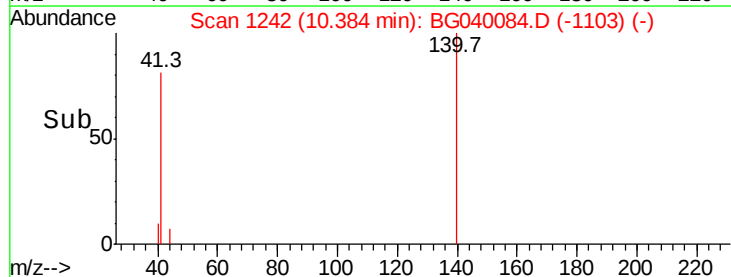
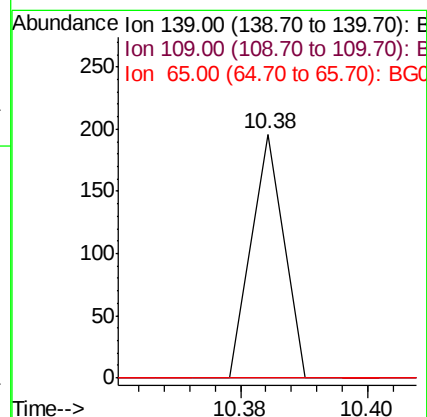
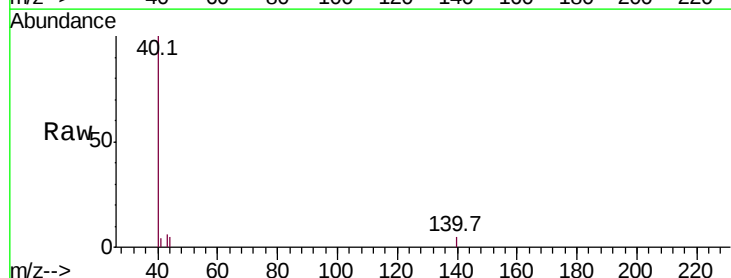
Tgt Ion: 139 Resp: 69

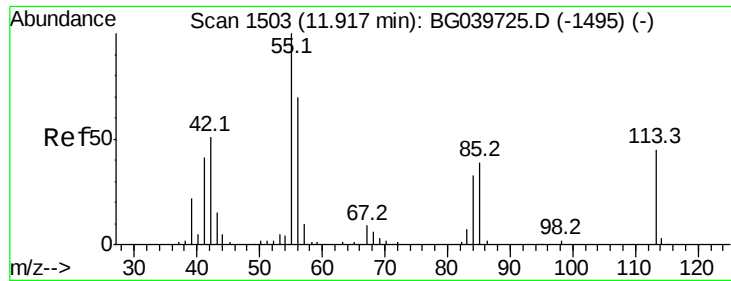
Ion Ratio Lower Upper

139 100

109 0.0 23.4 35.0#

65 0.0 44.3 66.5#





#35

Caprolactam

Concen: 0.120 ng

RT: 11.91 min Scan# 1502

Delta R.T. -0.03 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

Instrument :

BNA_G

ClientSampleId :

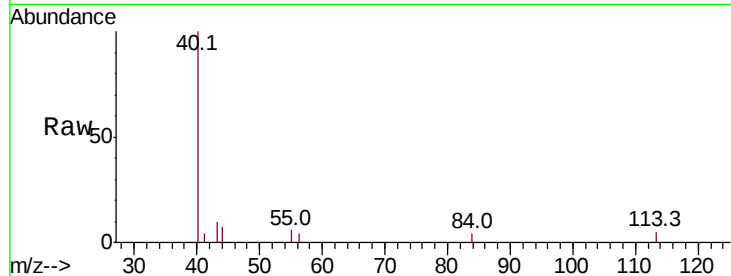
Tot Ion:113 Resp: 153

Ion Ratio Lower Upper

113 100

55 117.2 216.9 256.9#

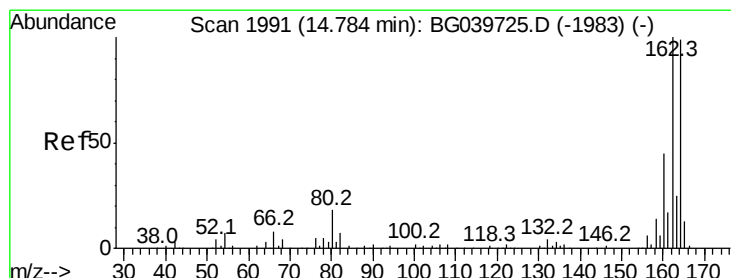
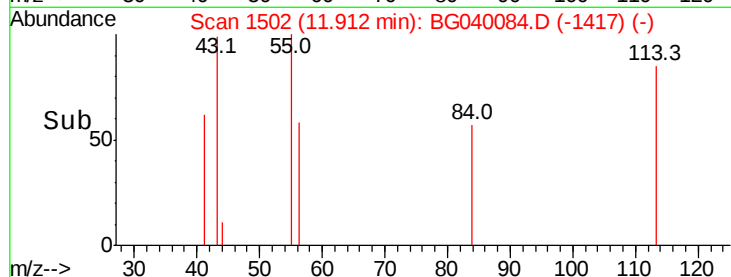
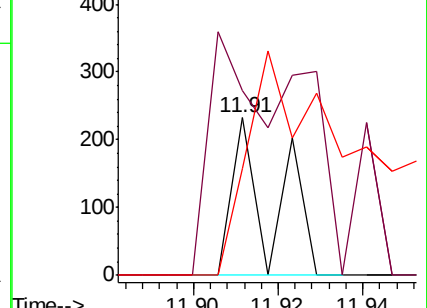
56 68.1 152.6 192.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

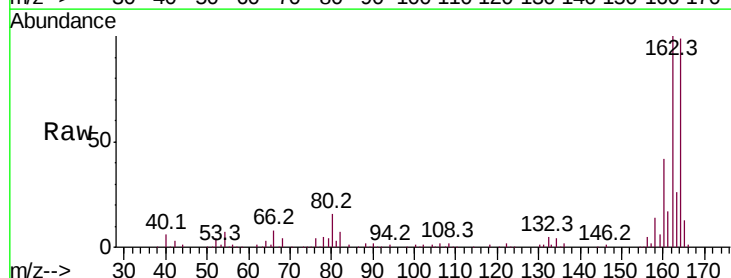
Tgt Ion:164 Resp: 131296

Ion Ratio Lower Upper

164 100

162 100.7 81.6 122.4

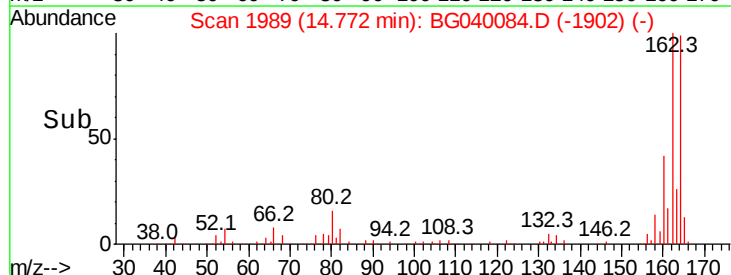
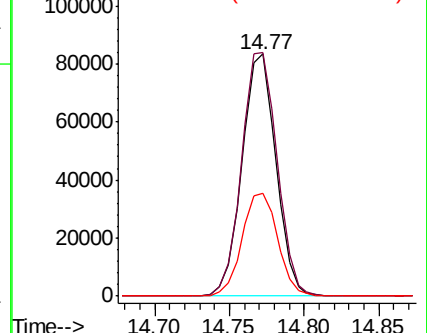
160 42.7 34.2 51.2

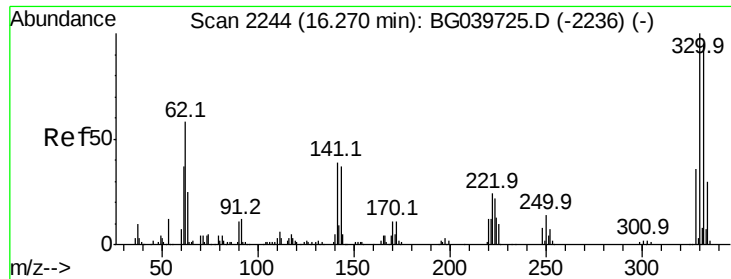


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

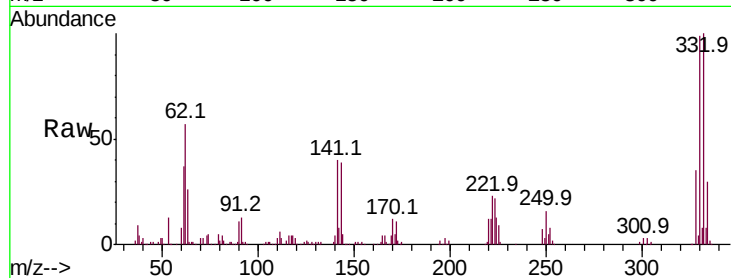




#42
 2,4,6-Tribromophenol
 Concen: 137.833 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG040084.D
 Acq: 22 Mar 2019 15:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	75.7	113.5
141	40.8	35.6	53.4

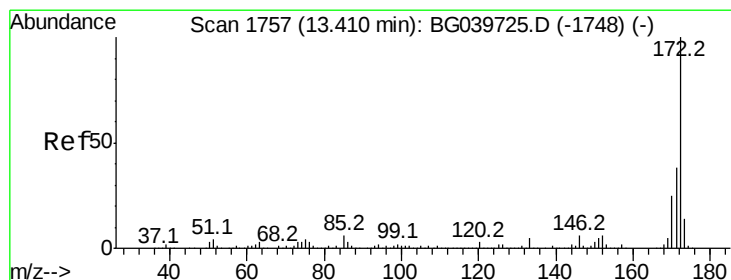
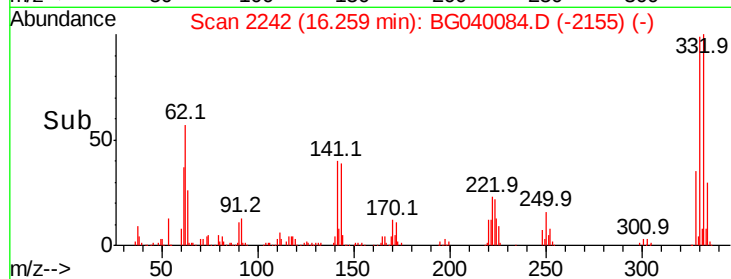
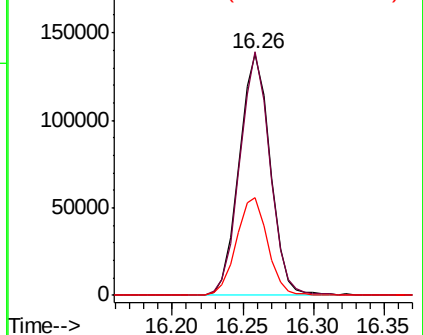


Abundance

Ion 329.80 (329.50 to 330.50): E

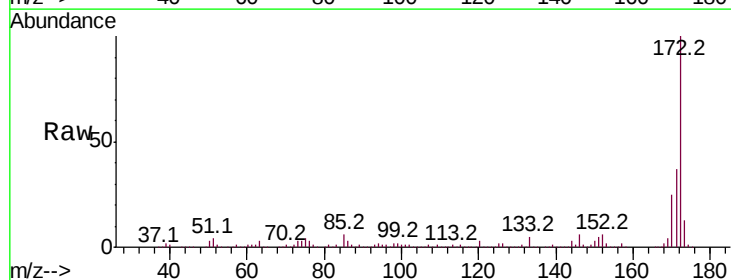
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 76.877 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040084.D
 Acq: 22 Mar 2019 15:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.8	46.2
170	24.6	20.2	30.4

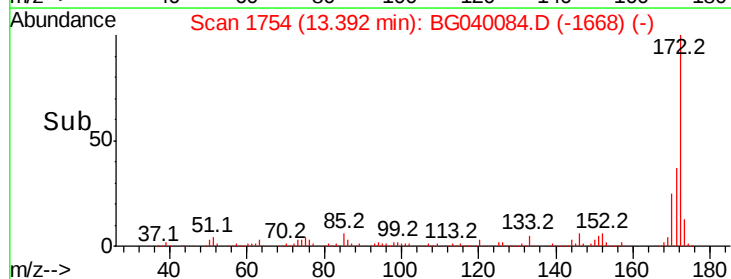
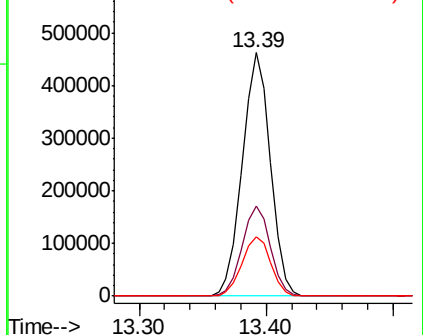


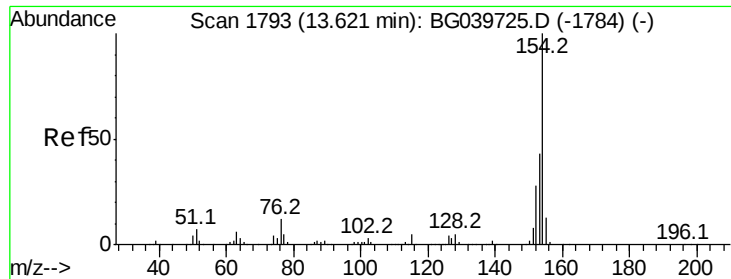
Abundance

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

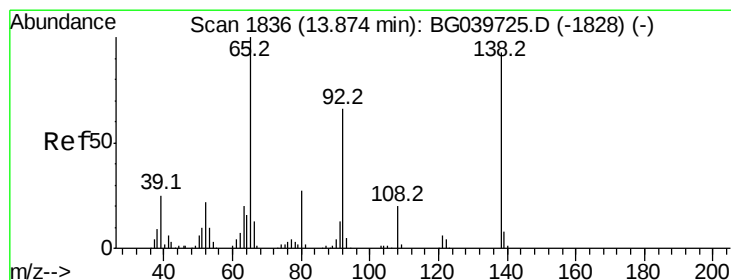
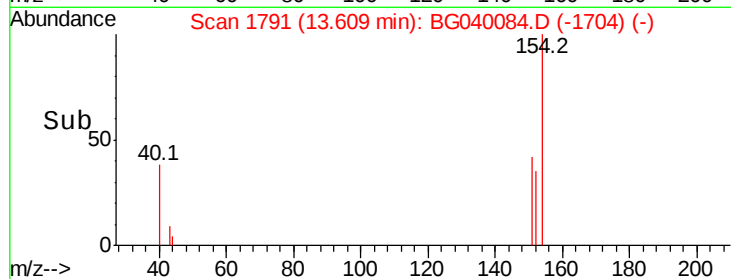
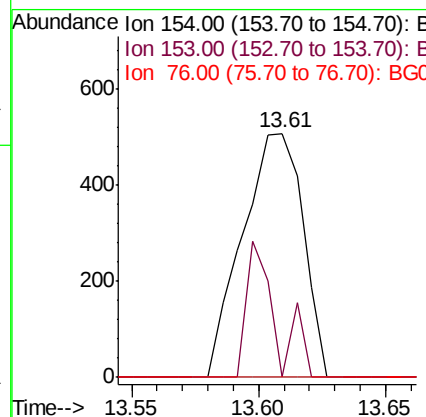
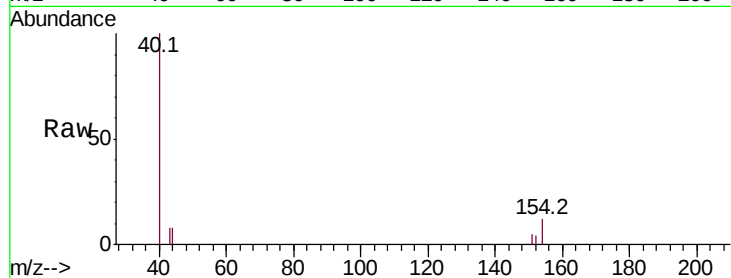




#46
 1,1'-Biphenyl
 Concen: 0.078 ng
 RT: 13.61 min Scan# 1791
 Delta R.T. -0.02 min
 Lab File: BG040084.D
 Acq: 22 Mar 2019 15:34

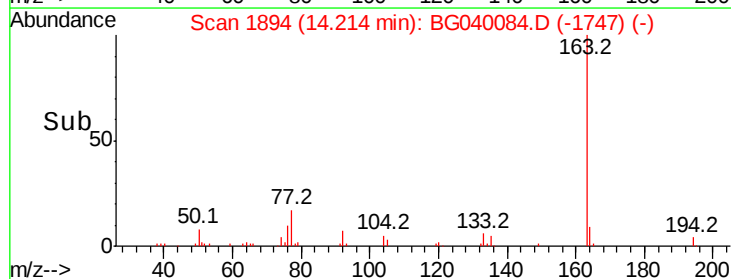
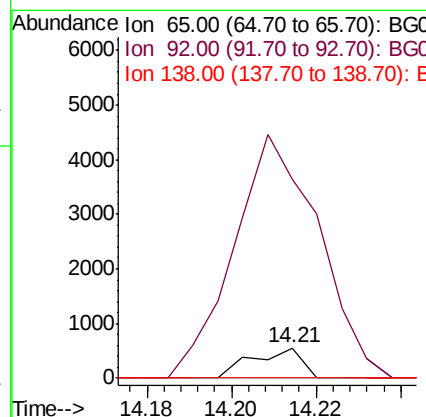
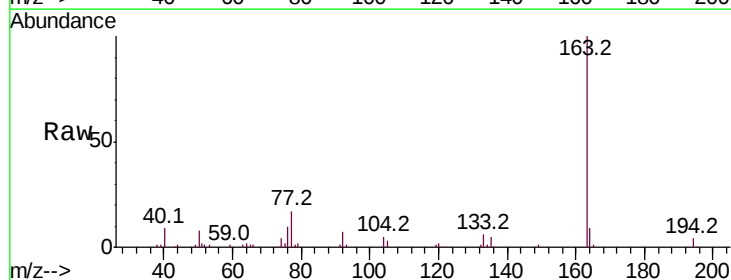
Instrument :
 BNA_G
 ClientSampleId :

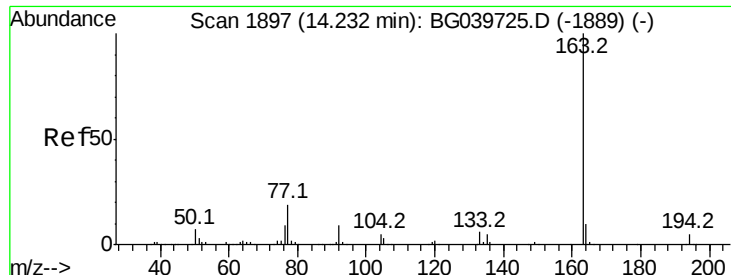
Tot Ion:154 Resp: 844
 Ion Ratio Lower Upper
 154 100
 153 0.0 22.1 62.1#
 76 0.0 0.0 32.4



#48
 2-Nitroaniline
 Concen: 0.171 ng
 RT: 14.21 min Scan# 1894
 Delta R.T. 0.33 min
 Lab File: BG040084.D
 Acq: 22 Mar 2019 15:34

Tgt Ion: 65 Resp: 446
 Ion Ratio Lower Upper
 65 100
 92 653.6 51.4 77.2#
 138 0.0 71.4 107.2#





#50

Dimethylphthalate

Concen: 6.689 ng

RT: 14.21 min Scan# 1894

Delta R.T. -0.02 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

Instrument :

BNA_G

ClientSampleId :

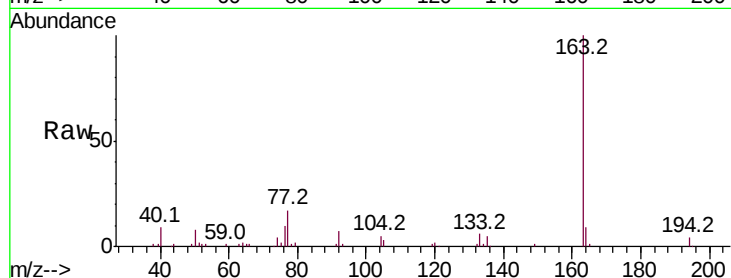
Tot Ion:163 Resp: 73440

Ion Ratio Lower Upper

163 100

194 4.0 3.6 5.4

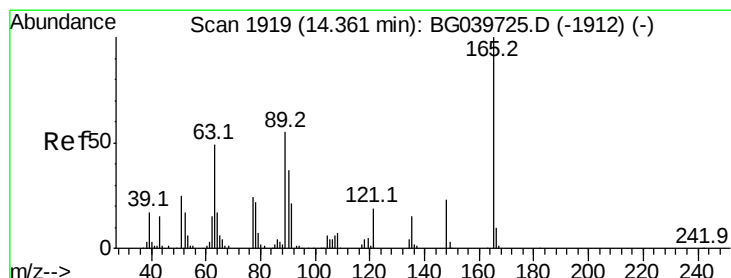
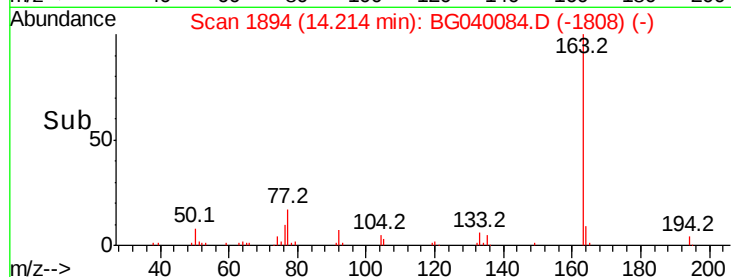
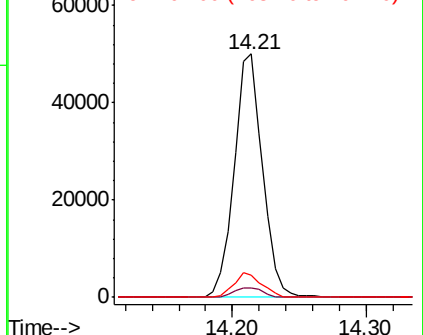
164 9.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 0.296 ng

RT: 14.21 min Scan# 1893

Delta R.T. -0.16 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

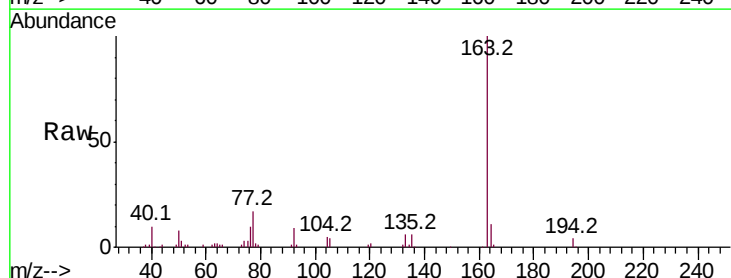
Tgt Ion:165 Resp: 688

Ion Ratio Lower Upper

165 100

63 177.1 47.0 70.6#

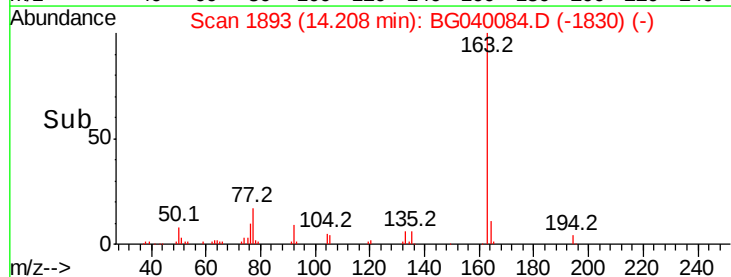
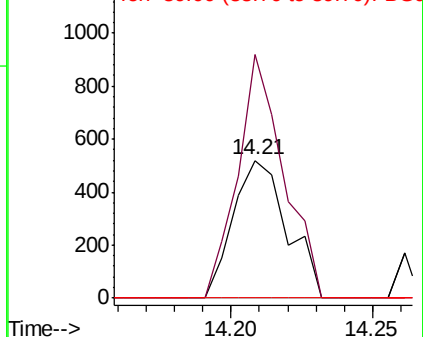
89 0.0 45.8 68.8#

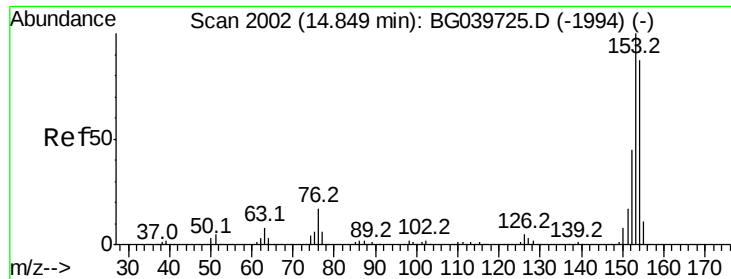


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#52

Acenaphthene

Concen: 0.045 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.08 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

Instrument :

BNA_G

ClientSampleId :

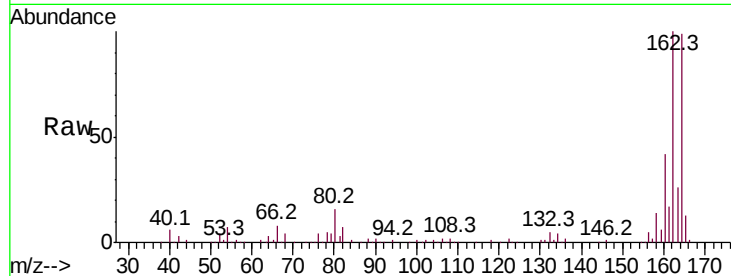
Tot Ion:154 Resp: 365

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

14.77

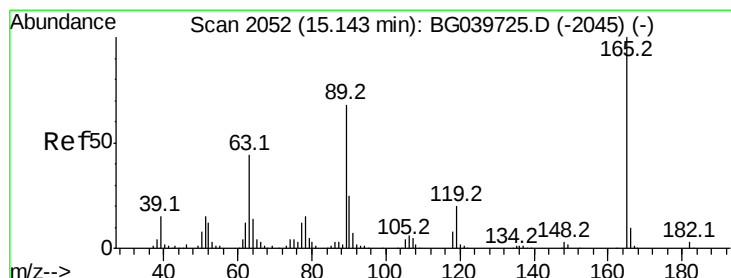
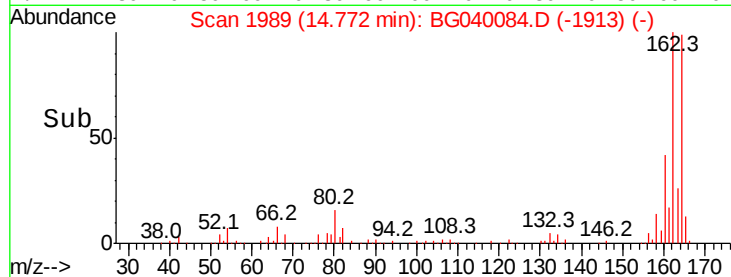
300

200

100

0

Time--> 14.74 14.76 14.78



#57

2,4-Dinitrotoluene

Concen: 5.167 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.38 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

Tgt Ion:165 Resp: 16899

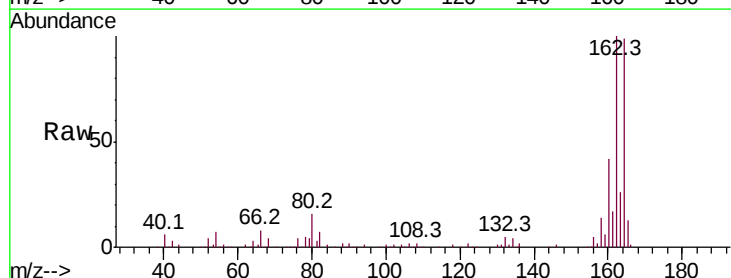
Ion Ratio Lower Upper

165 100

63 2.2 41.0 61.6#

89 1.9 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

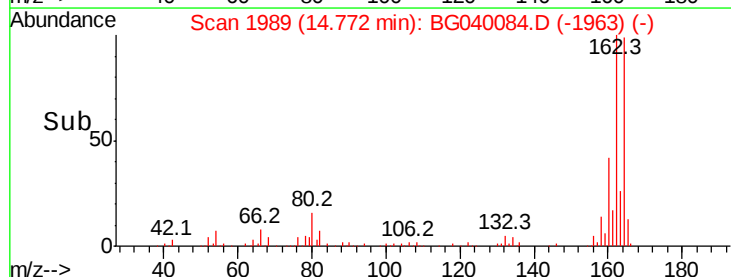
14.77

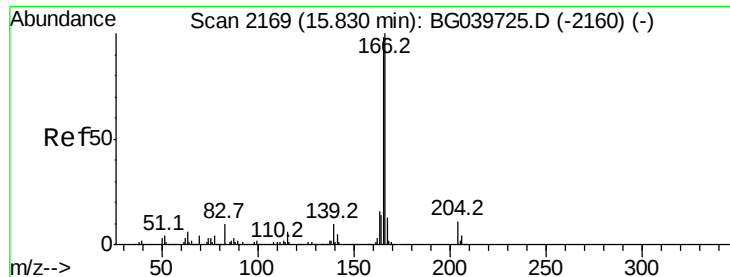
10000

5000

0

Time--> 14.70 14.75 14.80





#58

Fluorene

Concen: 0.868 ng

RT: 16.25 min Scan# 2241

Delta R.T. 0.42 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

Instrument :

BNA_G

ClientSampleId :

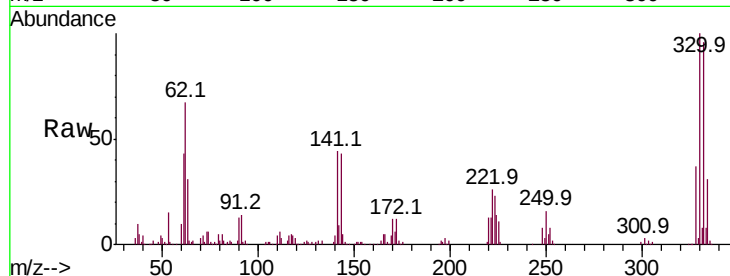
Tot Ion:166 Resp: 8986

Ion Ratio Lower Upper

166 100

165 97.8 77.9 116.9

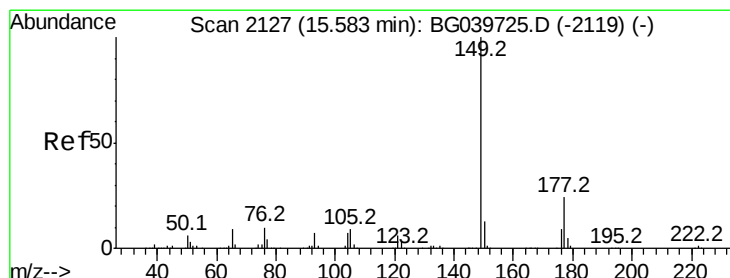
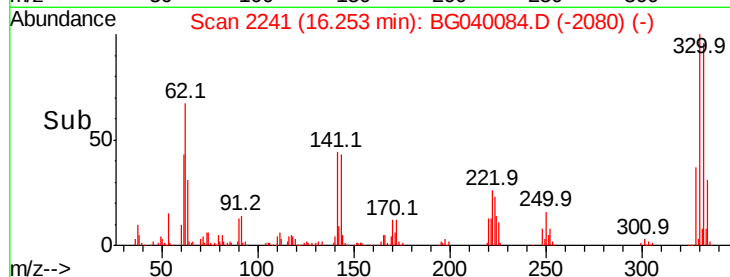
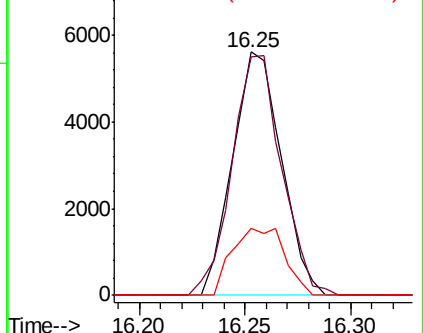
167 27.4 10.8 16.2#



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: 0.043 ng

RT: 15.57 min Scan# 2124

Delta R.T. -0.02 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

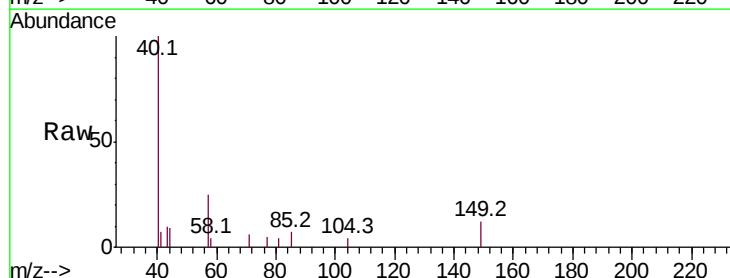
Tgt Ion:149 Resp: 472

Ion Ratio Lower Upper

149 100

177 0.0 18.3 27.5#

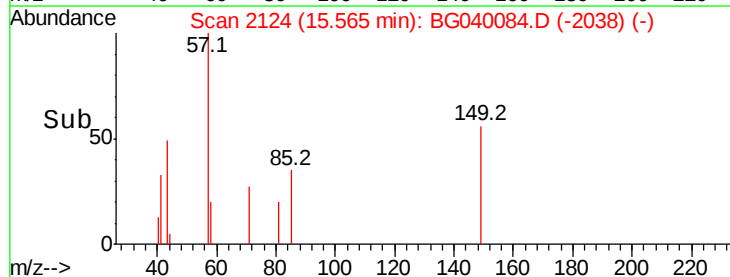
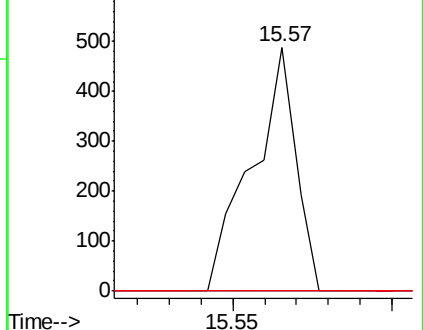
150 0.0 10.2 15.2#

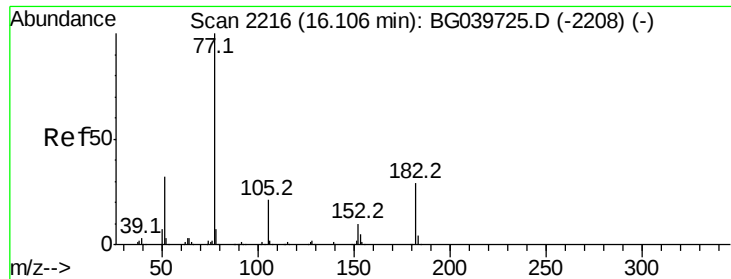


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

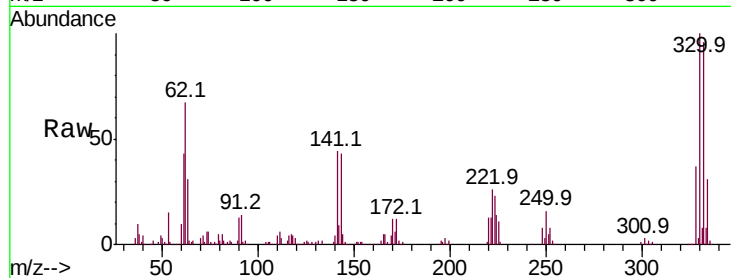




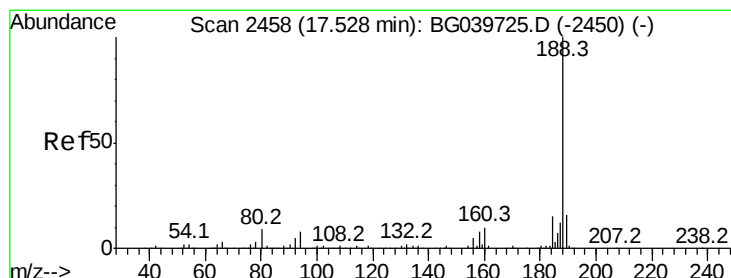
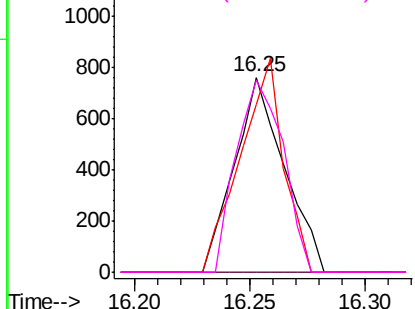
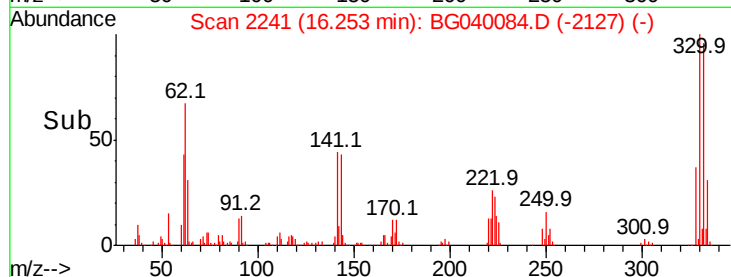
#63
Azobenzene
Concen: 0.116 ng
RT: 16.25 min Scan# 2241
Delta R.T. 0.14 min
Lab File: BG040084.D
Acq: 22 Mar 2019 15:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 1146
Ion Ratio Lower Upper
77 100
182 0.0 6.4 46.4#
105 86.3 0.0 39.8#
51 98.8 14.1 54.1#

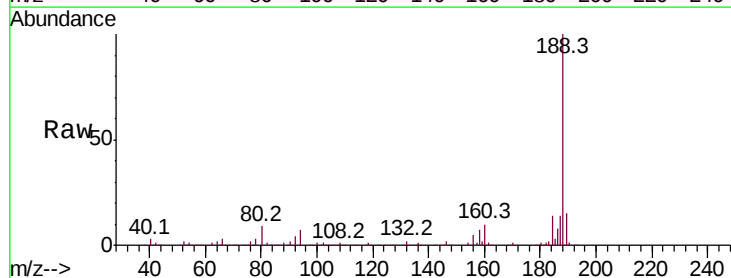


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

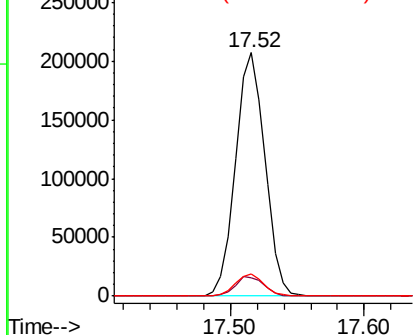
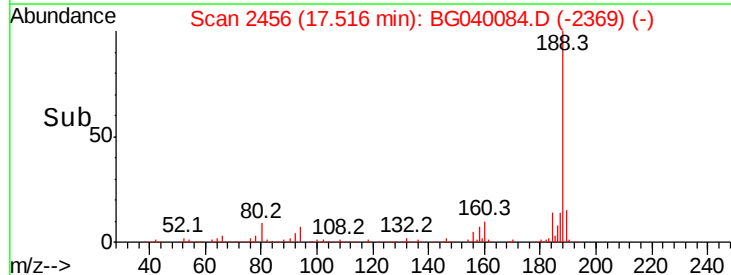


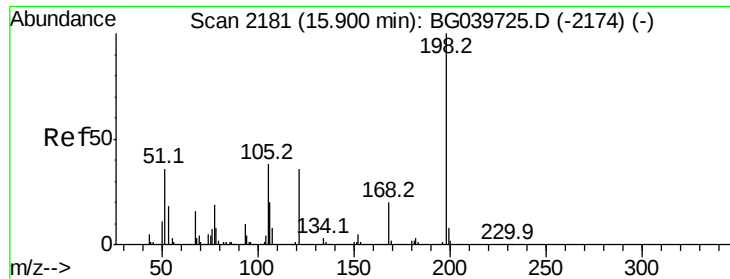
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2456
Delta R.T. -0.02 min
Lab File: BG040084.D
Acq: 22 Mar 2019 15:34

Tgt Ion: 188 Resp: 315973
Ion Ratio Lower Upper
188 100
94 7.3 6.9 10.3
80 9.1 8.1 12.1



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

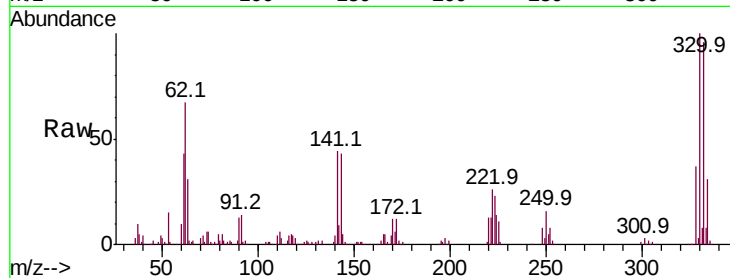




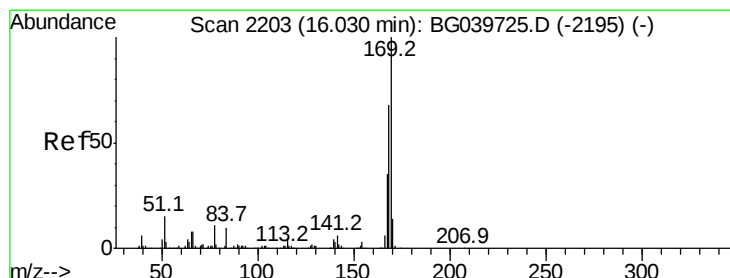
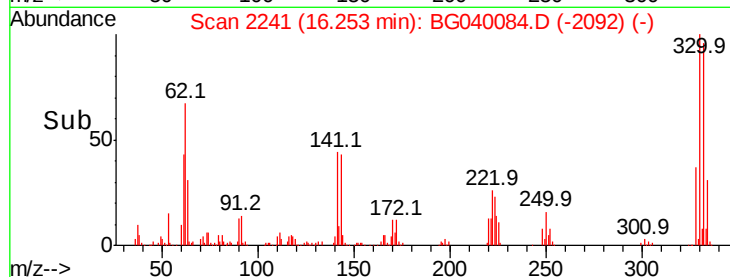
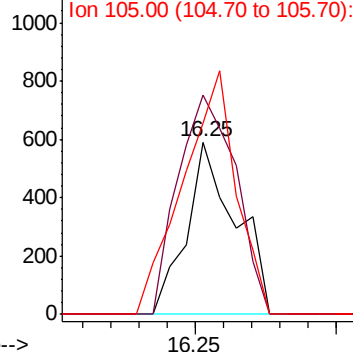
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.383 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. 0.35 min
 Lab File: BG040084.D
 Acq: 22 Mar 2019 15:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 715
 Ion Ratio Lower Upper
 198 100
 51 127.2 27.4 67.4#
 105 111.2 19.7 59.7#

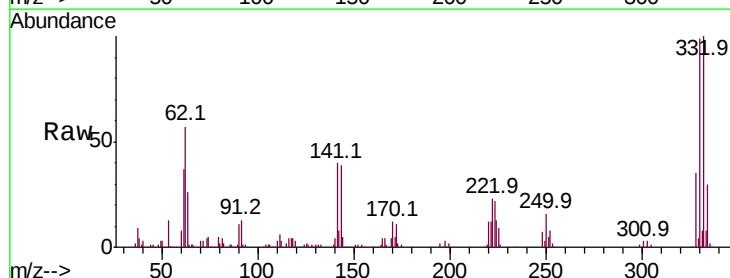


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

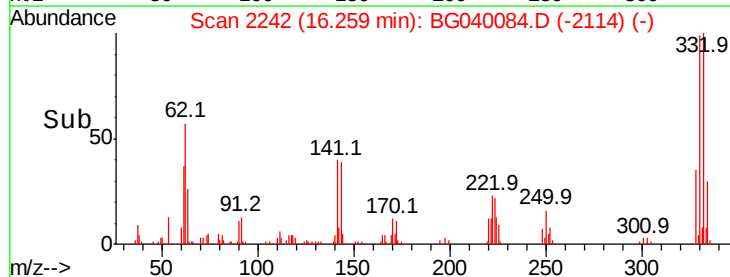
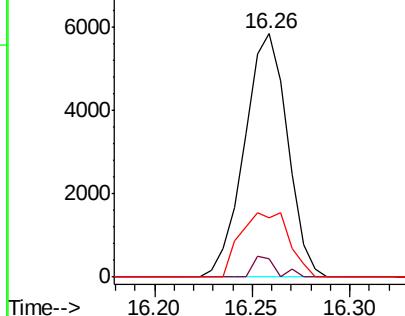


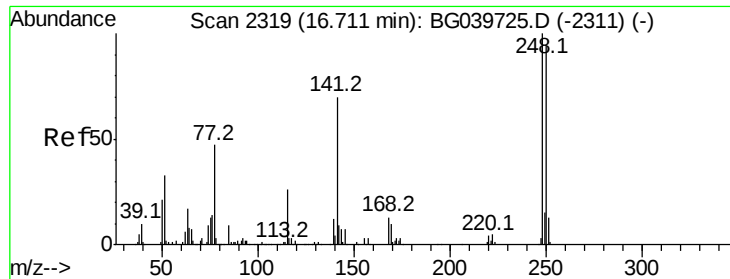
#66
 n-Nitrosodiphenylamine
 Concen: 0.977 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. 0.22 min
 Lab File: BG040084.D
 Acq: 22 Mar 2019 15:34

Tgt Ion:169 Resp: 8933
 Ion Ratio Lower Upper
 169 100
 168 7.4 56.6 85.0#
 167 24.1 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

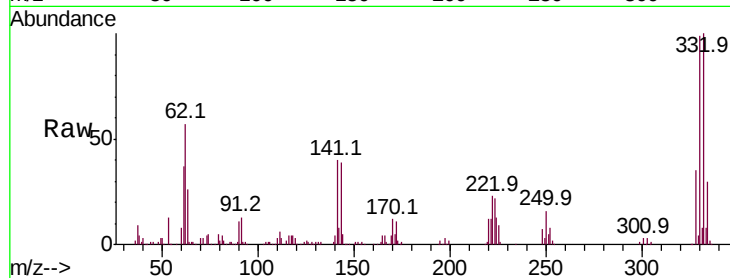




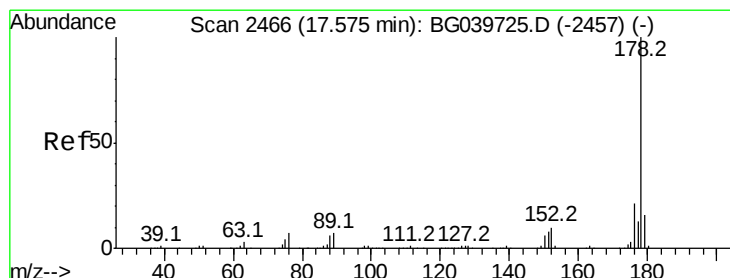
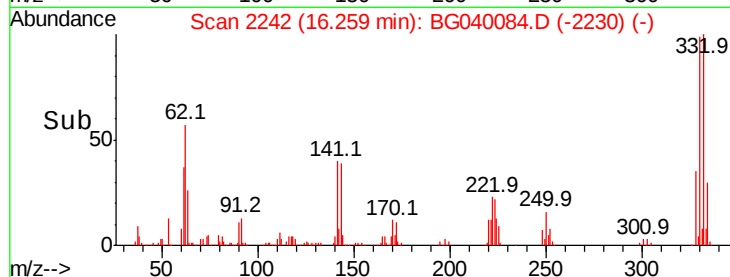
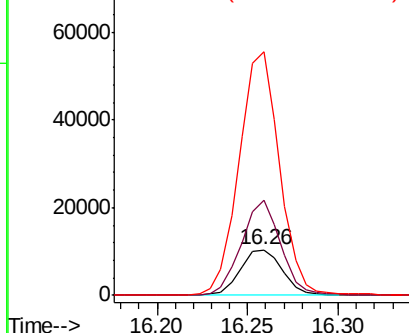
#67
 4-Bromophenyl-phenylether
 Concen: 4.689 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG040084.D
 Acq: 22 Mar 2019 15:34

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 16584
 Ion Ratio Lower Upper
 248 100
 250 209.6 77.6 116.4#
 141 535.8 63.9 95.9#

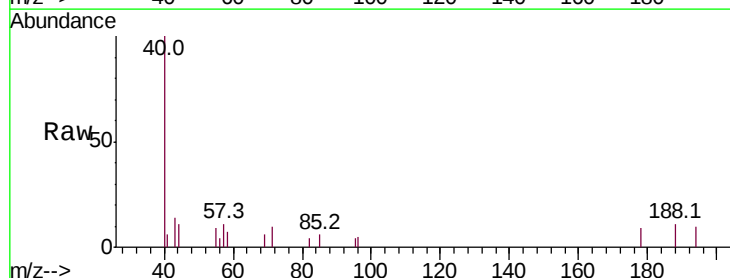


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

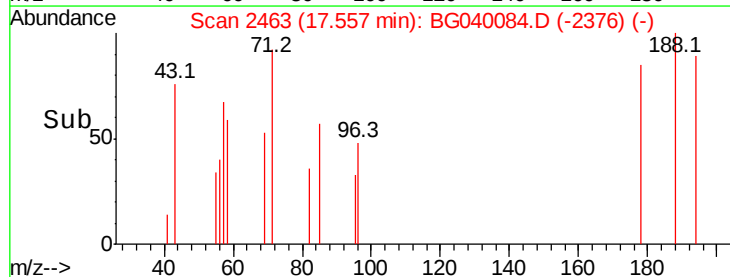
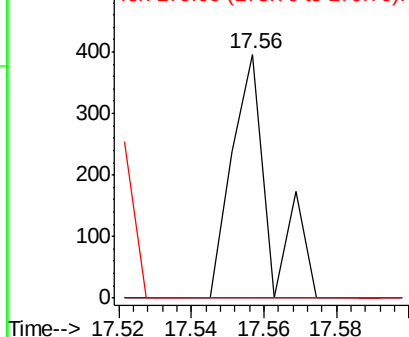


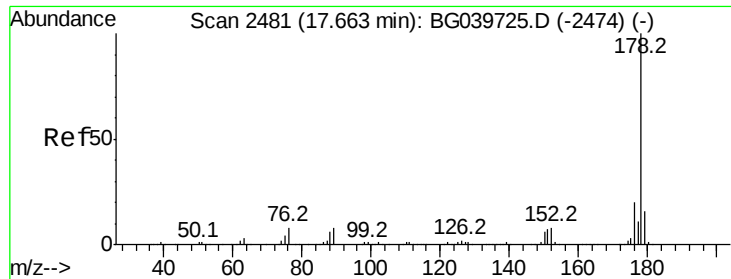
#71
 Phenanthrene
 Concen: 0.016 ng
 RT: 17.56 min Scan# 2463
 Delta R.T. -0.02 min
 Lab File: BG040084.D
 Acq: 22 Mar 2019 15:34

Tgt Ion:178 Resp: 284
 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: 0.017 ng

RT: 17.56 min Scan# 2463

Delta R.T. -0.11 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

Instrument :

BNA_G

ClientSampleId :

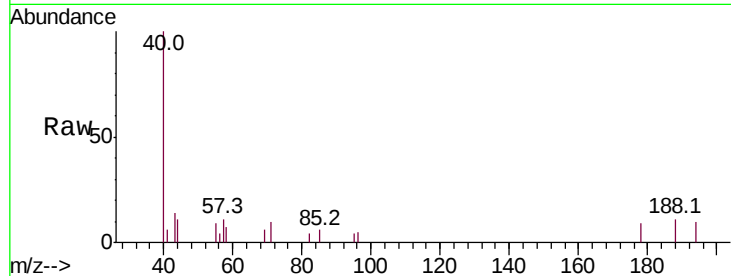
Tot Ion:178 Resp: 284

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.6#

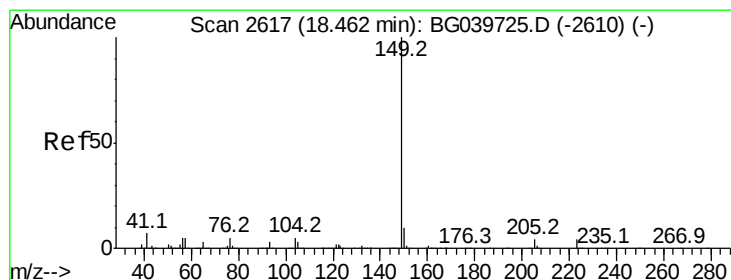
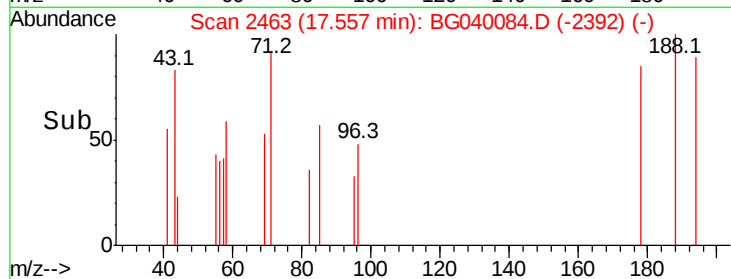
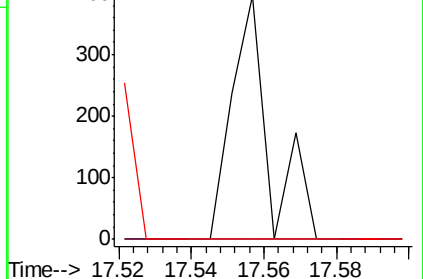
179 0.0 12.5 18.7#



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: 0.066 ng

RT: 18.44 min Scan# 2614

Delta R.T. -0.02 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

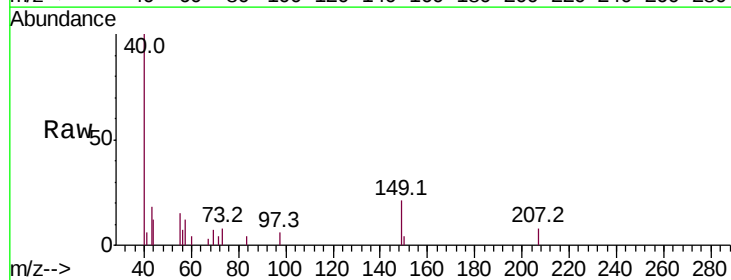
Tgt Ion:149 Resp: 1182

Ion Ratio Lower Upper

149 100

150 18.7 7.7 11.5#

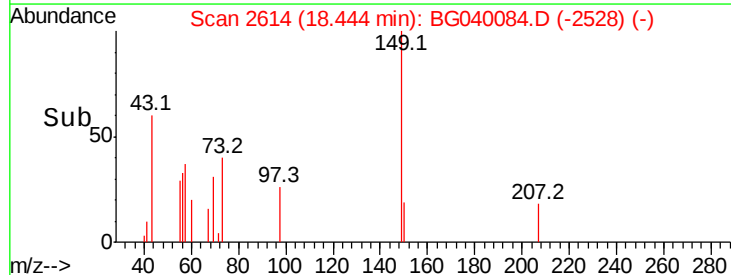
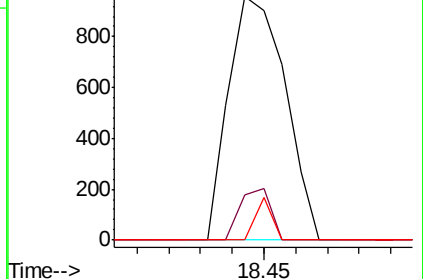
104 0.0 4.5 6.7#

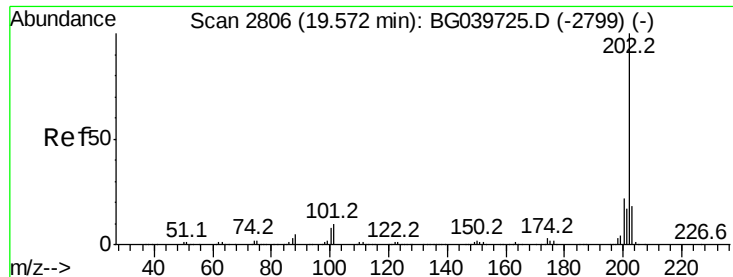


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 0.017 ng

RT: 19.57 min Scan# 2805

Delta R.T. -0.01 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

Instrument :

BNA_G

ClientSampled :

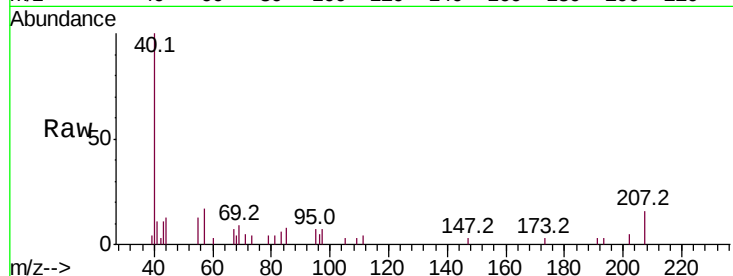
Tot Ion:202 Resp: 341

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.0

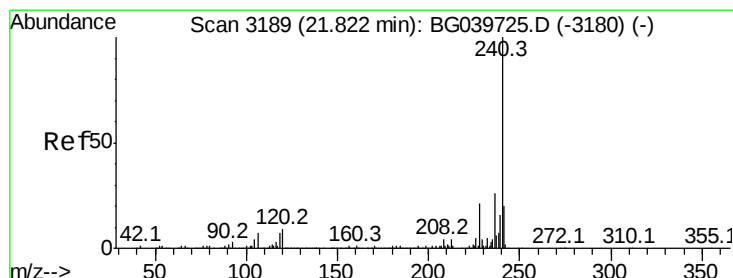
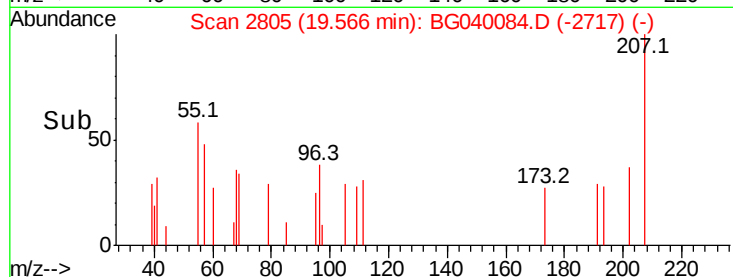
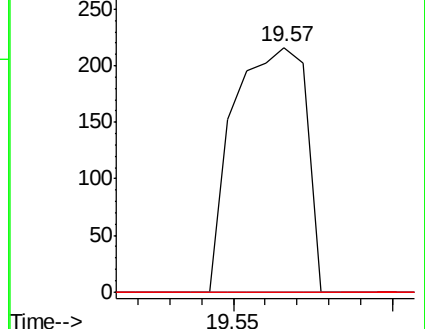
203 0.0 0.0 38.9



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# 3186

Delta R.T. -0.02 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

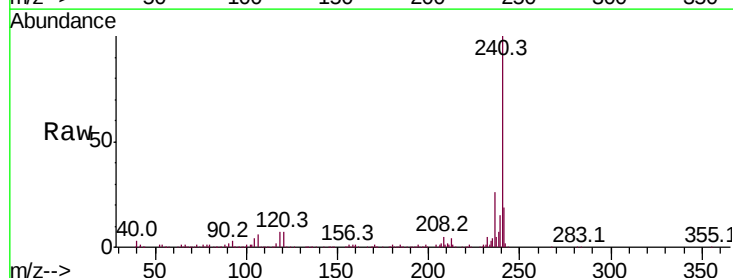
Tgt Ion:240 Resp: 283724

Ion Ratio Lower Upper

240 100

120 6.7 7.0 10.6#

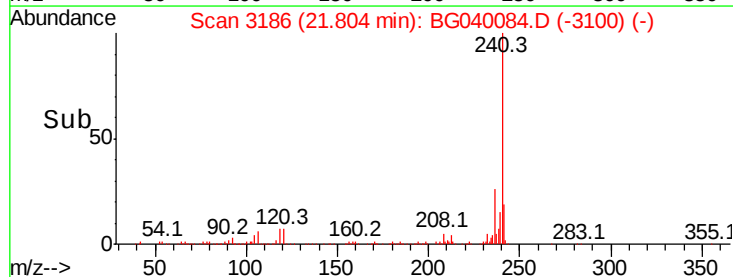
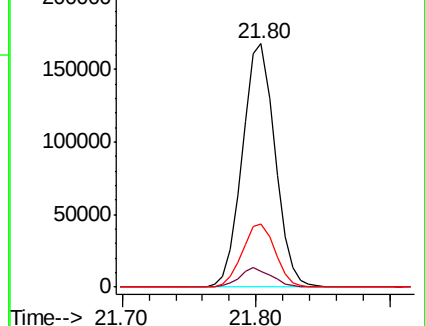
236 25.7 21.0 31.4

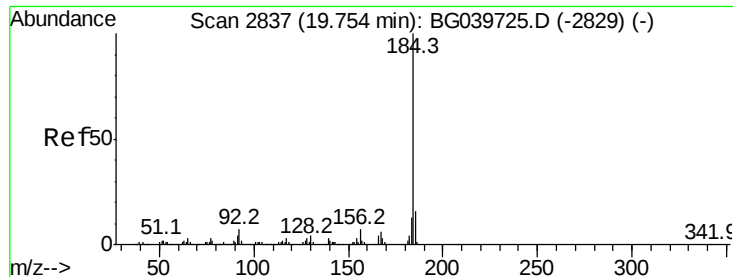


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.926 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

Instrument :

BNA_G

ClientSampleId :

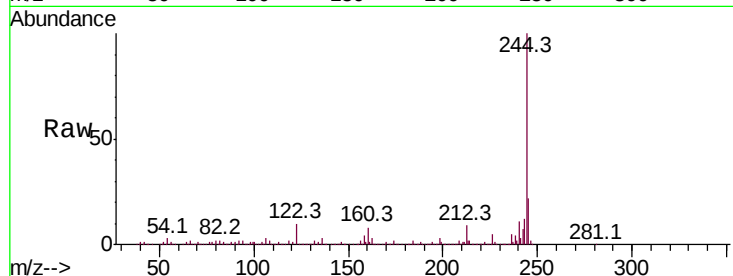
Tot Ion:184 Resp: 17343

Ion Ratio Lower Upper

184 100

185 16.4 12.2 18.2

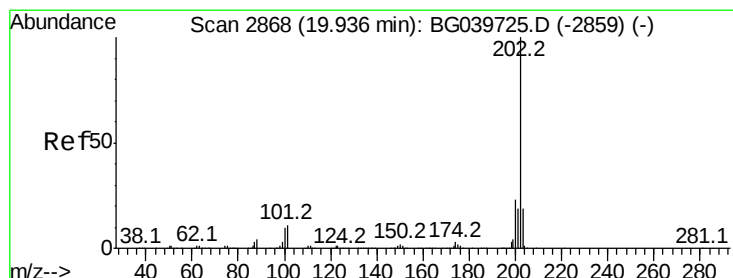
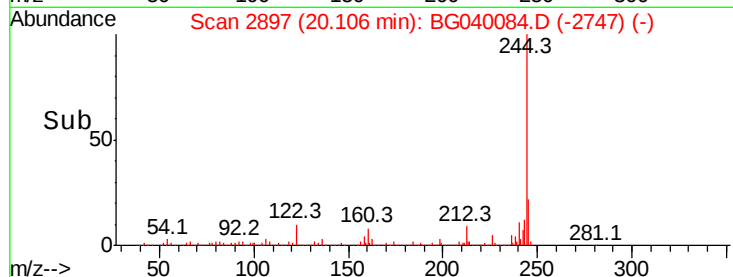
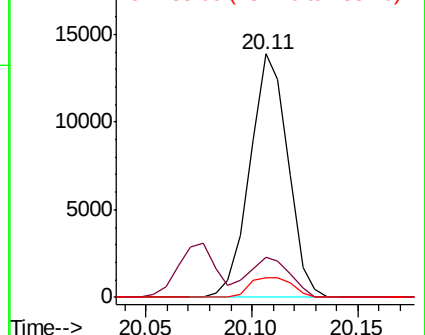
183 7.9 10.6 15.8#



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: 0.007 ng

RT: 19.92 min Scan# 2866

Delta R.T. -0.02 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

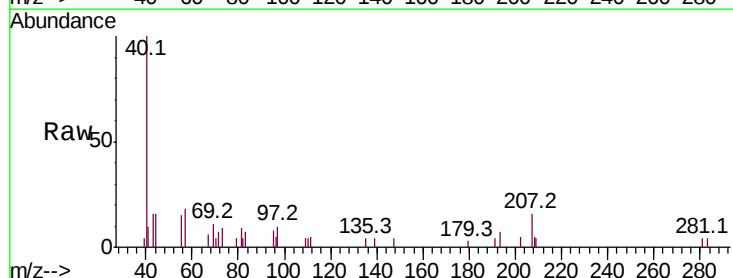
Tgt Ion:202 Resp: 127

Ion Ratio Lower Upper

202 100

200 0.0 17.8 26.8#

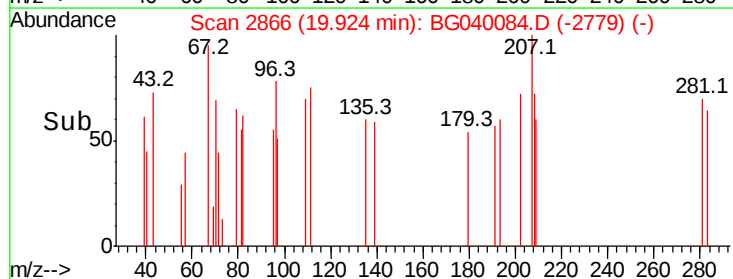
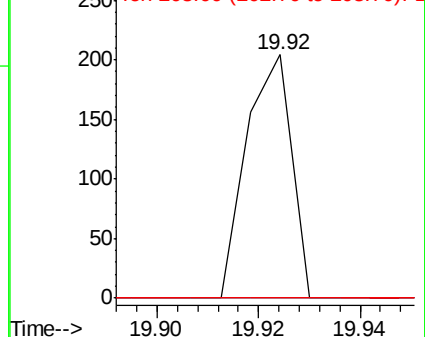
203 0.0 15.3 22.9#

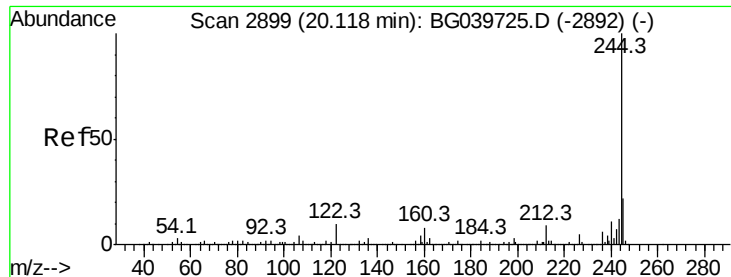


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 77.782 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

Instrument :

BNA_G

ClientSampled :

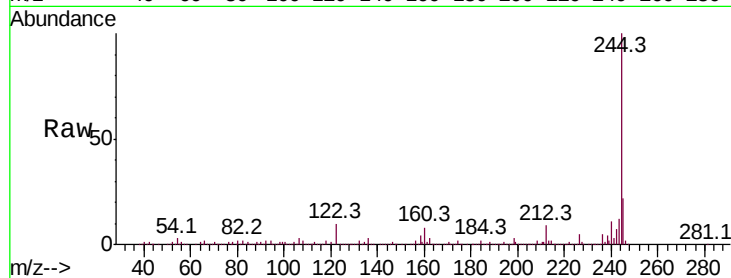
Tot Ion:244 Resp: 1002300

Ion Ratio Lower Upper

244 100

212 8.7 7.3 10.9

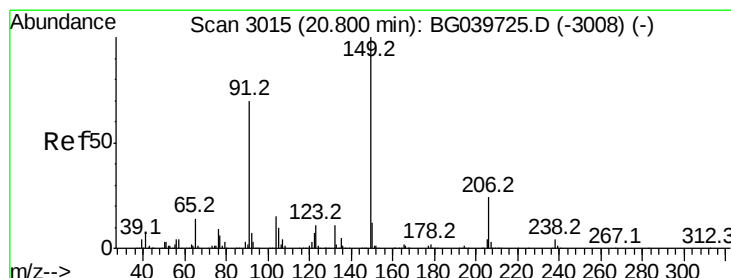
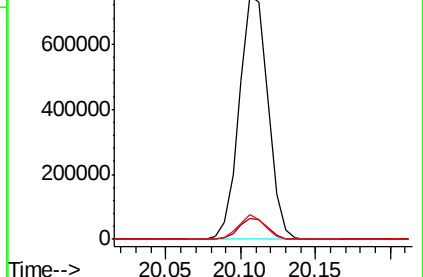
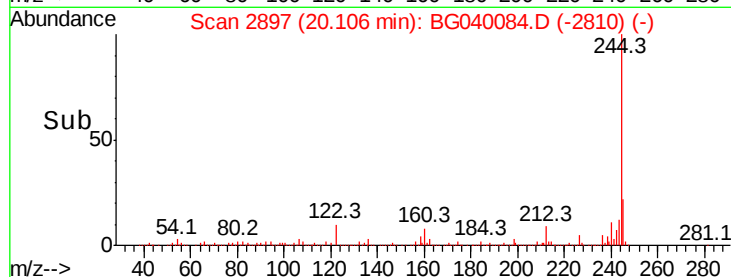
122 9.9 8.4 12.6



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: 0.024 ng

RT: 20.79 min Scan# 3013

Delta R.T. -0.02 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

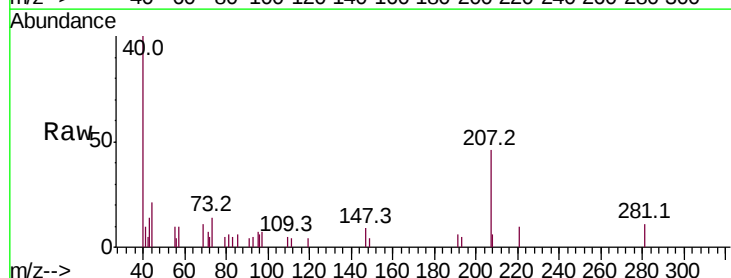
Tgt Ion:149 Resp: 171

Ion Ratio Lower Upper

149 100

91 104.1 59.5 89.3#

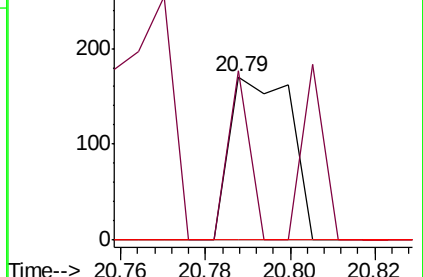
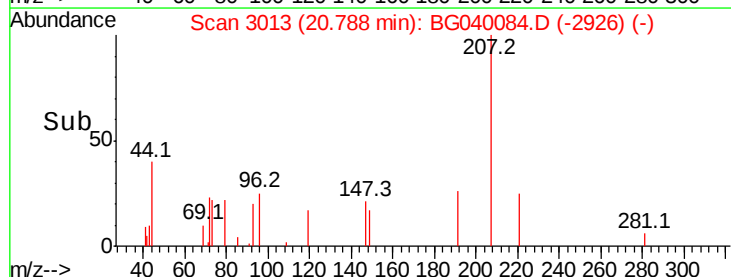
206 0.0 18.6 27.8#

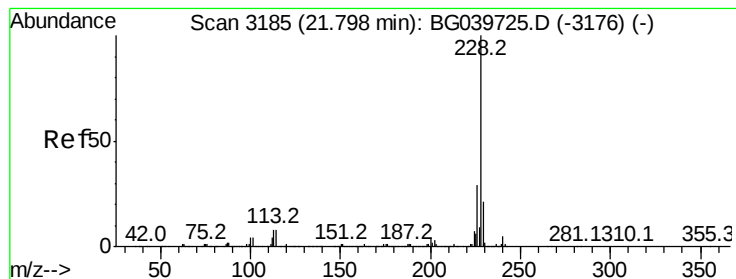


Abundance Ion 149.00 (148.70 to 149.70): E

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. -0.01 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

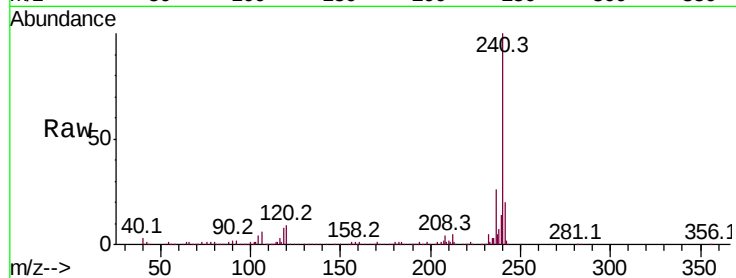
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 782

Ion	Ratio	Lower	Upper
228	100		
226	0.0	23.0	34.6#
229	34.7	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

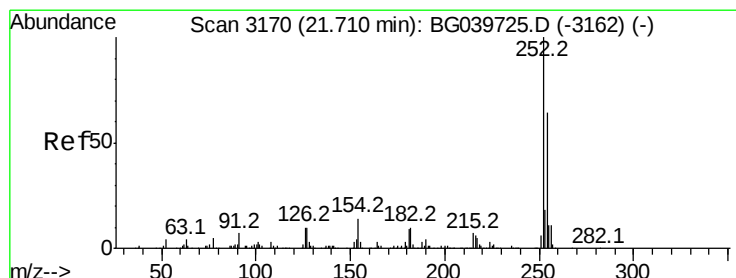
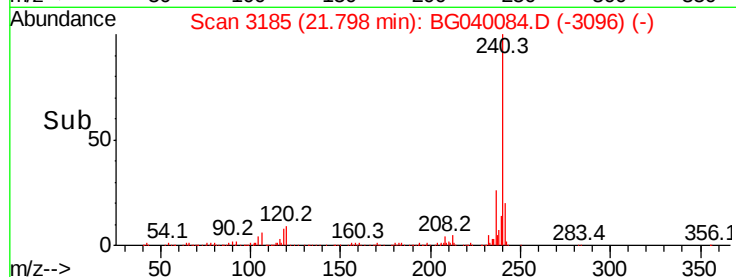
21.80

400

200

0

Time--> 21.75



#82

3,3'-Dichlorobenzidine

Concen: 0.010 ng

RT: 21.47 min Scan# 3129

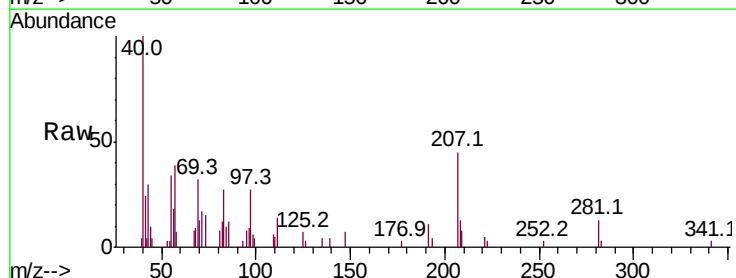
Delta R.T. -0.25 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

Tgt Ion:252 Resp: 62

Ion	Ratio	Lower	Upper
252	100		
254	0.0	51.3	76.9#
126	94.9	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

21.47

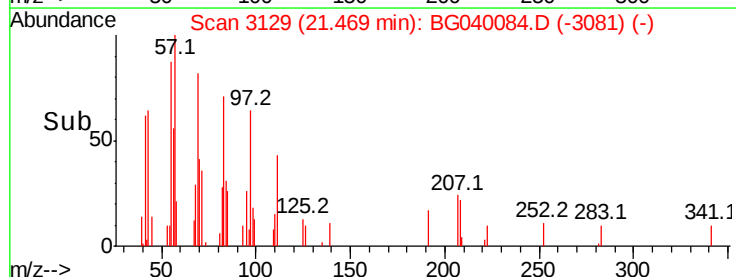
150

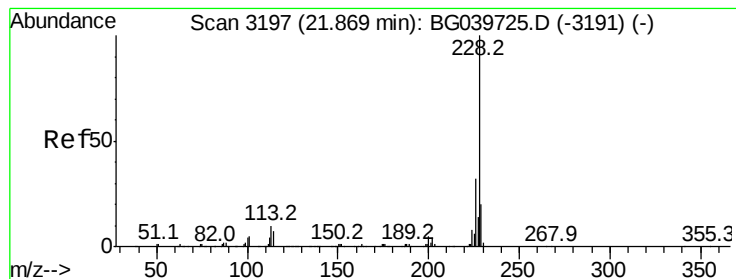
100

50

0

Time--> 21.46





#83

Chrysene

Concen: 0.045 ng

RT: 21.80 min Scan# 3185

Delta R.T. -0.08 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

Instrument :

BNA_G

ClientSampleId :

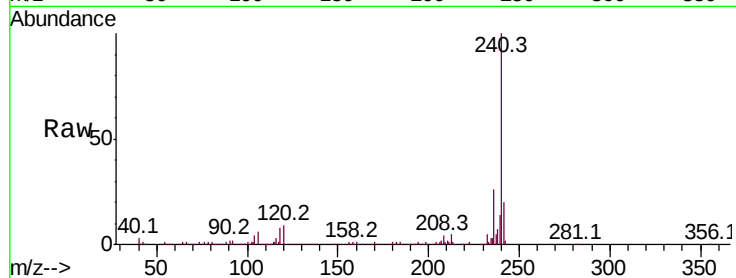
Tot Ion:228 Resp: 782

Ion Ratio Lower Upper

228 100

226 0.0 25.8 38.6#

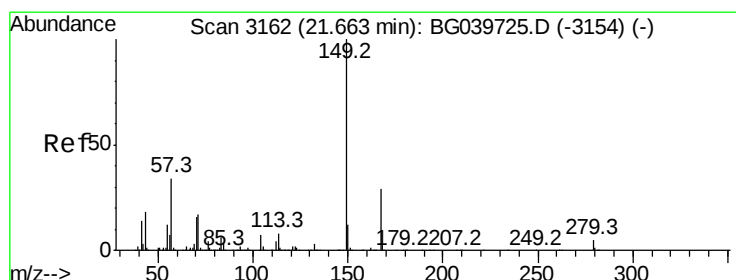
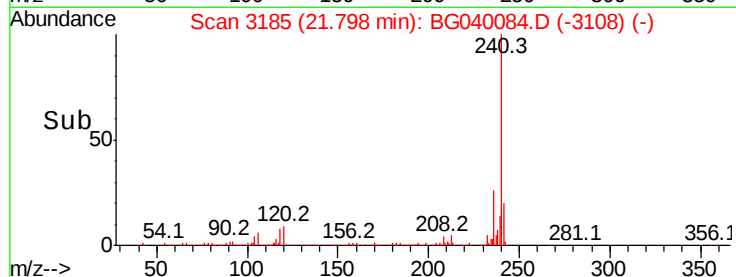
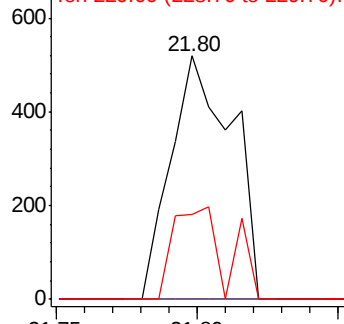
229 34.7 16.6 25.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.320 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.03 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

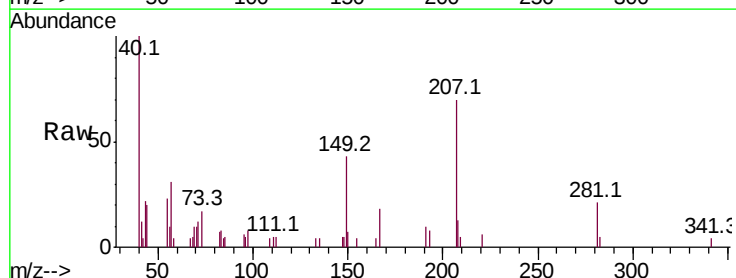
Tgt Ion:149 Resp: 3210

Ion Ratio Lower Upper

149 100

167 40.5 22.6 34.0#

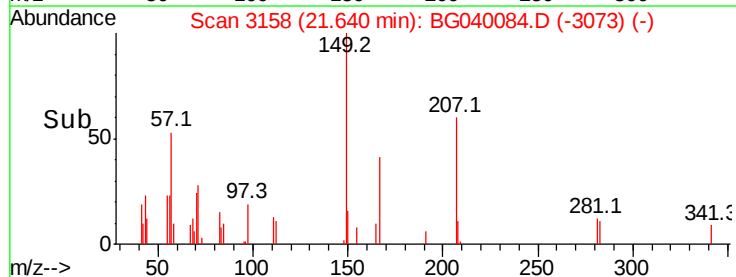
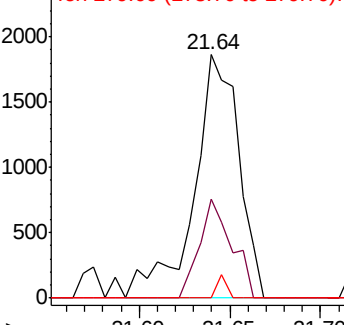
279 0.0 3.5 5.3#

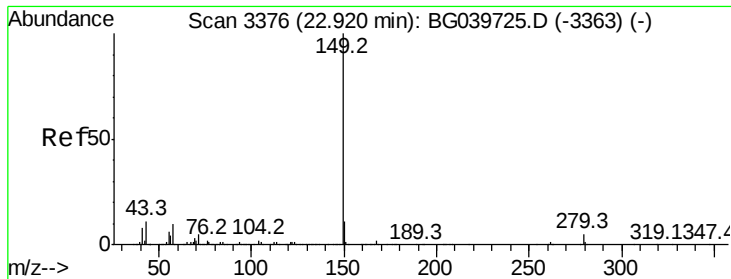


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

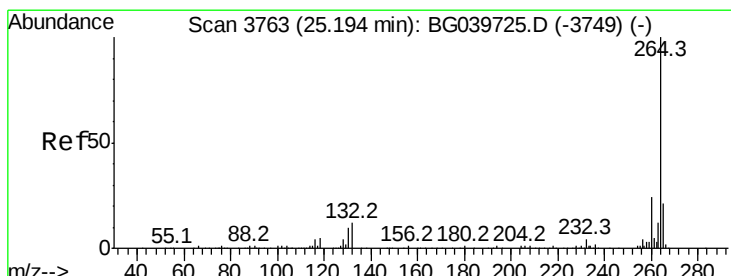
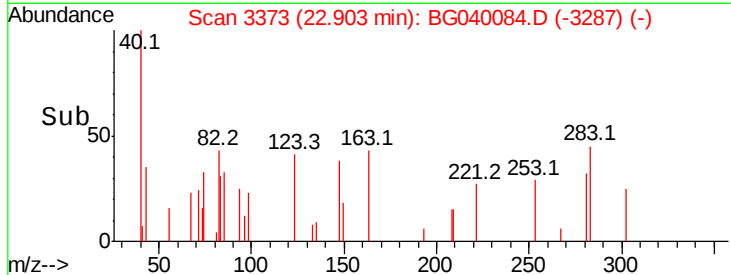
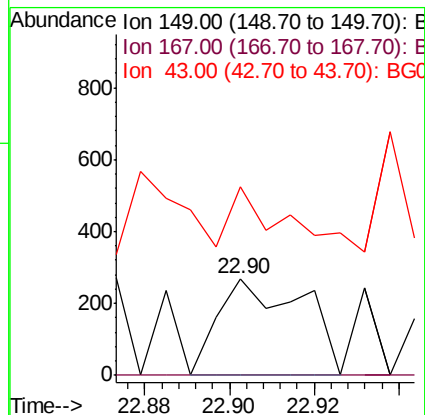
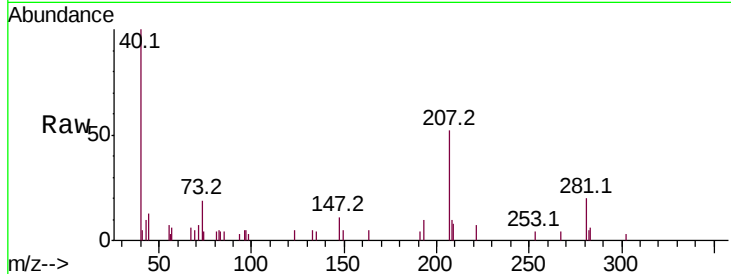




#85
Di-n-octyl phthalate
Concen: 0.022 ng
RT: 22.90 min Scan# 3373
Delta R.T. -0.02 min
Lab File: BG040084.D
Acq: 22 Mar 2019 15:34

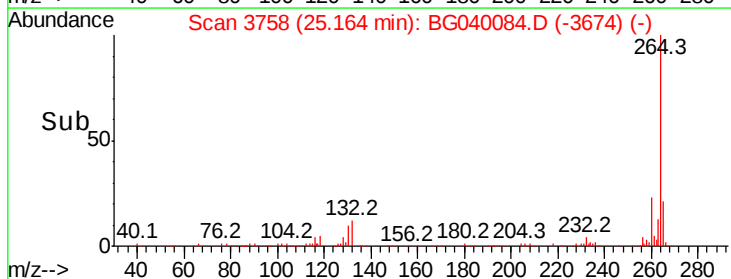
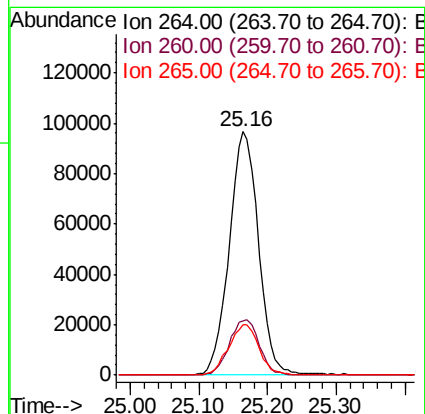
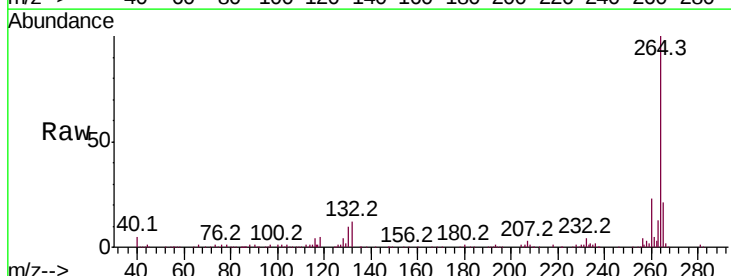
Instrument :
BNA_G
ClientSampled :

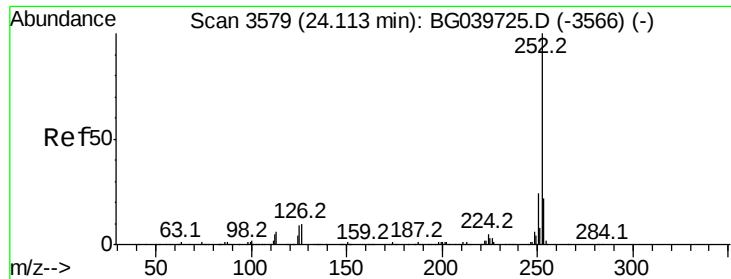
Tot Ion:149 Resp: 372
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 79.6 10.2 15.4#



#87
Perylene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3758
Delta R.T. -0.04 min
Lab File: BG040084.D
Acq: 22 Mar 2019 15:34

Tgt Ion:264 Resp: 285641
Ion Ratio Lower Upper
264 100
260 22.5 18.2 27.4
265 20.8 18.5 27.7





#88

Benzo(b)fluoranthene

Concen: 0.004 ng

RT: 24.10 min Scan# 3576

Delta R.T. -0.02 min

Lab File: BG040084.D

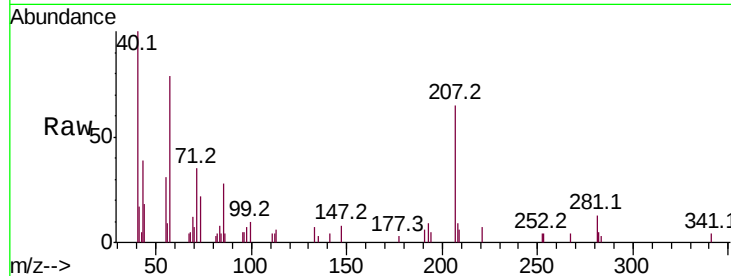
Acq: 22 Mar 2019 15:34

Instrument :

BNA_G

ClientSampleId :

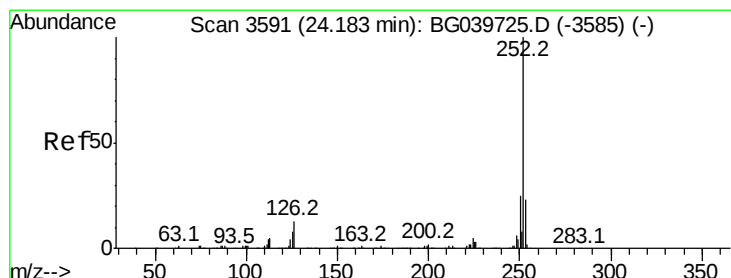
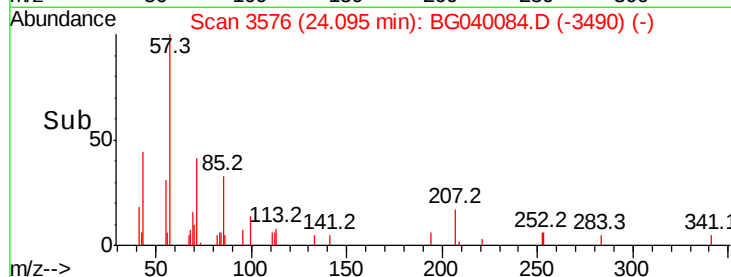
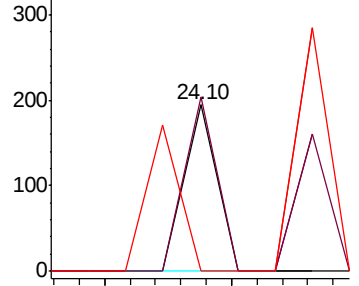
Tot Ion:	252	Resp:	69
Ion	Ratio	Lower	Upper
252	100		
253	104.6	17.8	26.8#
125	0.0	7.8	11.6#



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

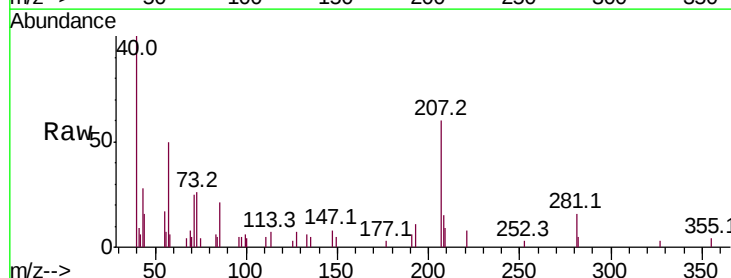
RT: 24.14 min Scan# 3583

Delta R.T. -0.05 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

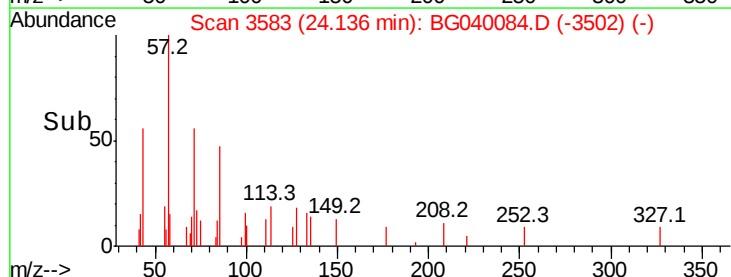
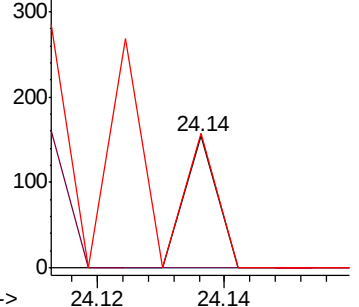
Tgt Ion:	252	Resp:	54
Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.2	27.2#
125	101.9	7.4	11.2#

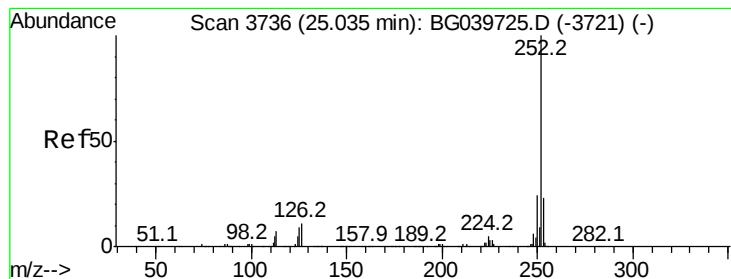


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 0.078 ng

RT: 25.16 min Scan# 3757

Delta R.T. 0.12 min

Lab File: BG040084.D

Acq: 22 Mar 2019 15:34

Instrument :

BNA_G

ClientSampleId :

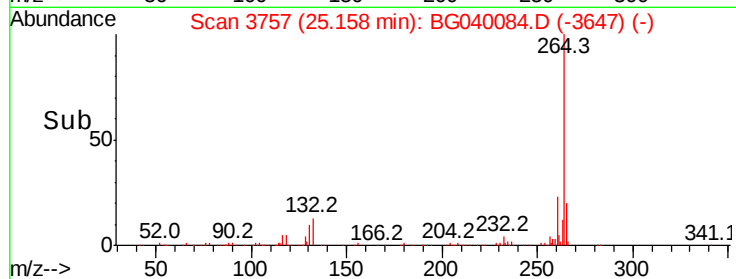
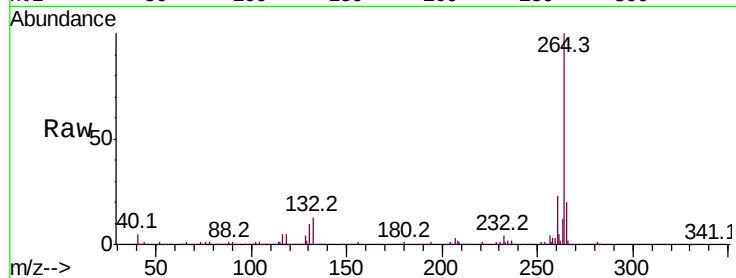
Tot Ion: 252 Resp: 1225

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

