

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG010319\
 Data File : BG038923.D
 Acq On : 4 Jan 2019 3:52
 Operator : JU/SJ
 Sample : PB116135TB
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB116135TB

Quant Time: Jan 04 05:42:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

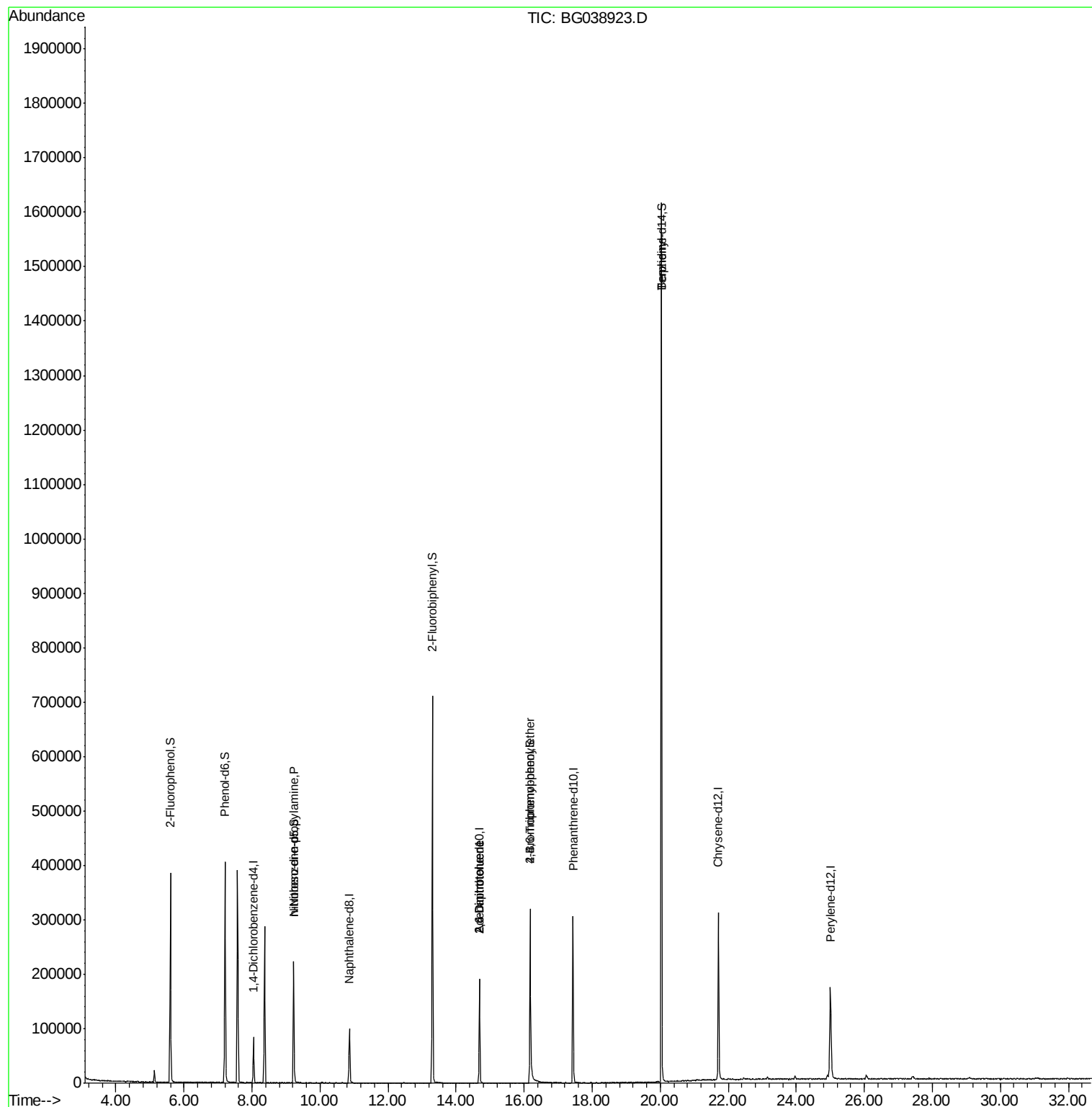
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	25192	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	98416	20.00	ng	-0.02
39) Acenaphthene-d10	14.69	164	73721	20.00	ng	-0.01
64) Phenanthrene-d10	17.43	188	210317	20.00	ng	0.00
76) Chrysene-d12	21.71	240	214926	20.00	ng	-0.01
87) Perylene-d12	25.00	264	223752	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	173243	121.97	ng	0.00
7) Phenol-d6	7.21	99	238151	122.14	ng	0.00
23) Nitrobenzene-d5	9.22	82	136560	70.89	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	87399	86.02	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	398369	74.13	ng	-0.01
79) Terphenyl-d14	20.04	244	863142	87.40	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	18436	13.462	ng	# 70
51) 2,6-Dinitrotoluene	14.69	165	10147	7.437	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	10147	5.281	ng	# 21
67) 4-Bromophenyl-phenylether	16.17	248	5567	2.167	ng	# 1
77) Benzidine	20.03	184	14238	2.240	ng	# 94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BG038923.D

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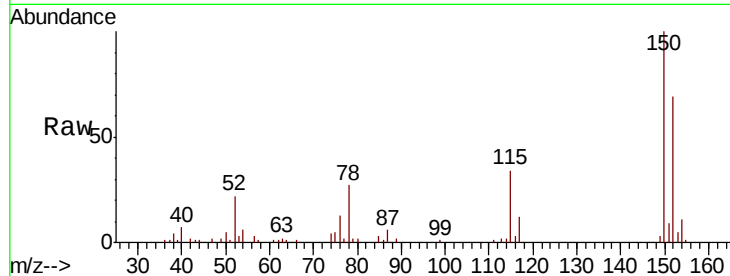
Tgt Ion:152 Resp: 25192

Ion Ratio Lower Upper

152 100

150 144.6 119.5 179.3

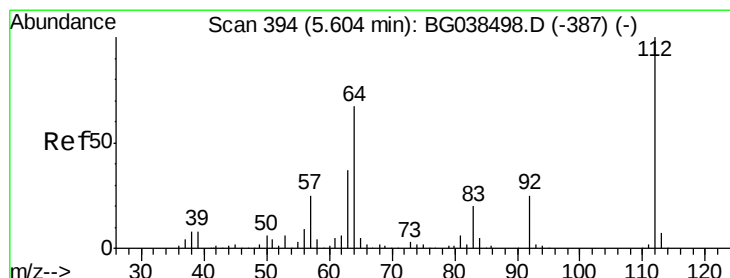
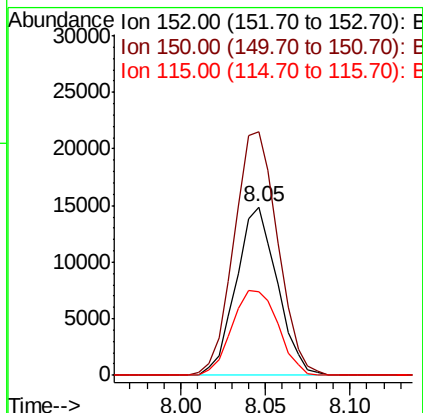
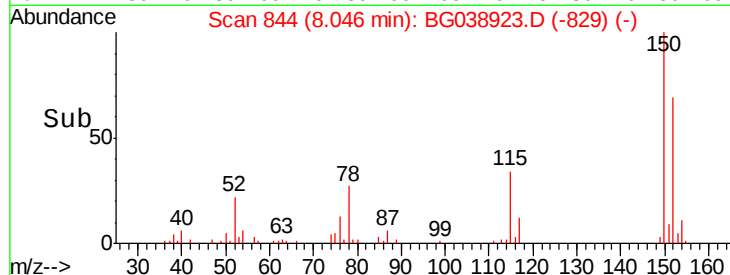
115 49.5 49.6 74.4#



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



#5

2-Fluorophenol

Concen: 121.972 ng

RT: 5.60 min Scan# 428

Delta R.T. -0.00 min

Lab File: BG038923.D

Acq: 4 Jan 2019 3:52

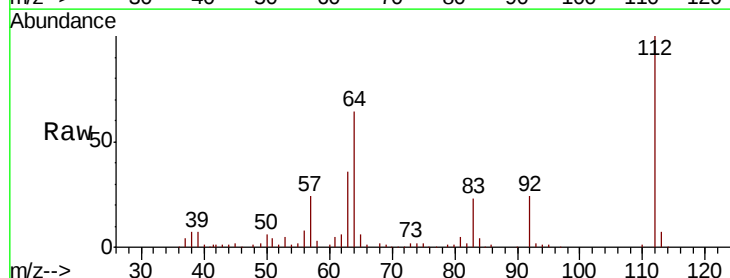
Tgt Ion:112 Resp: 173243

Ion Ratio Lower Upper

112 100

64 64.0 53.4 80.2

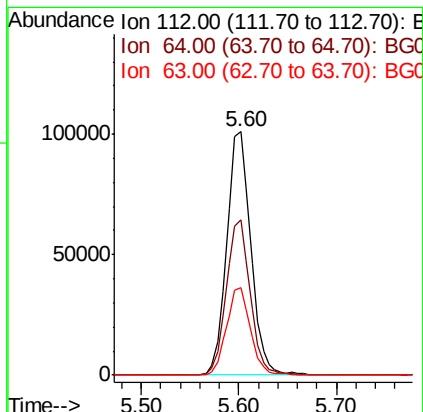
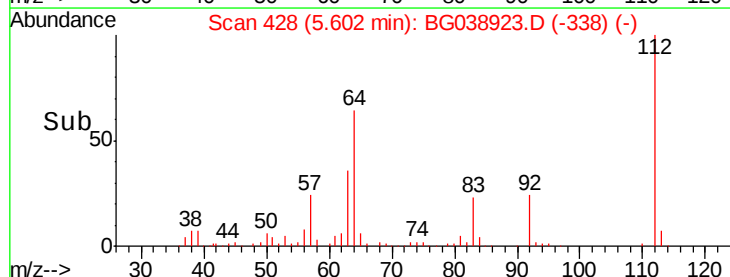
63 36.0 29.3 43.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 122.137 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038923.D

Acq: 4 Jan 2019 3:52

Instrument :

BNA_G

ClientSampleId :

PB116135TB

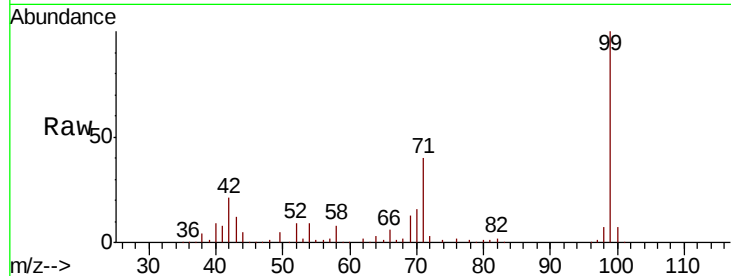
Tgt Ion: 99 Resp: 238151

Ion Ratio Lower Upper

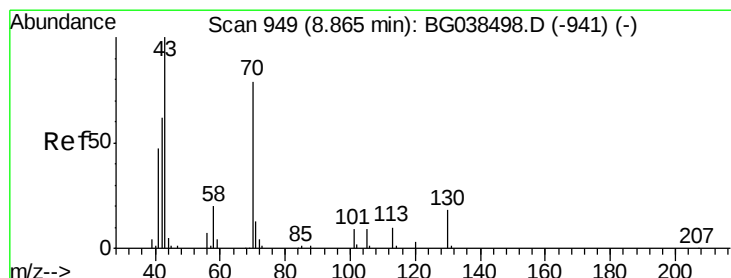
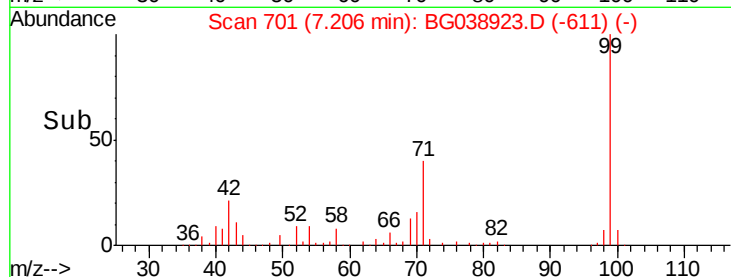
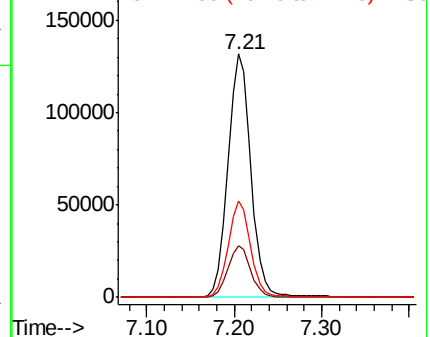
99 100

42 21.2 18.5 27.7

71 39.5 31.1 46.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.462 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG038923.D

Acq: 4 Jan 2019 3:52

Tgt Ion: 70 Resp: 18436

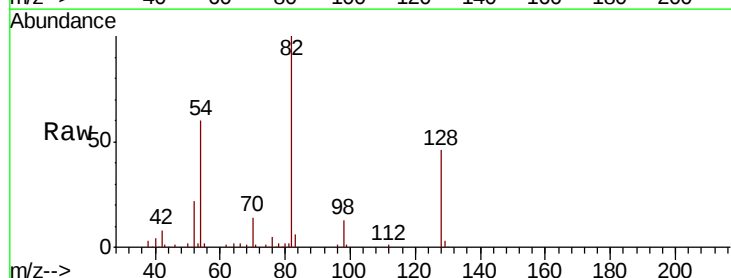
Ion Ratio Lower Upper

70 100

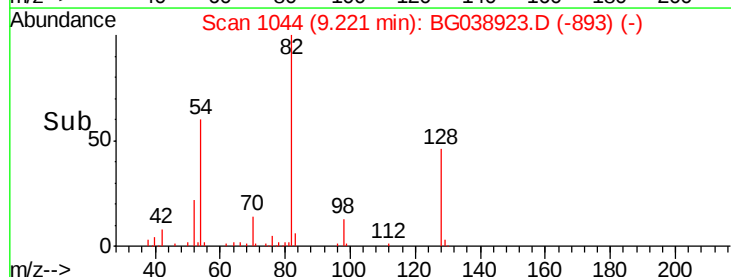
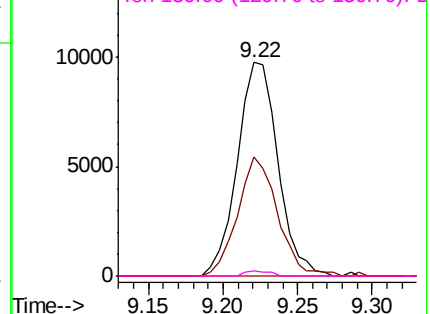
42 56.0 63.6 95.4#

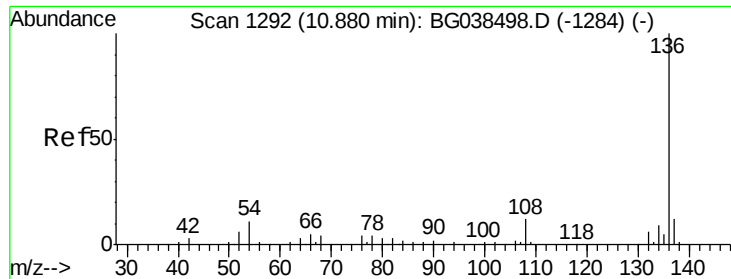
101 0.0 9.2 13.8#

130 2.6 18.5 27.7#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

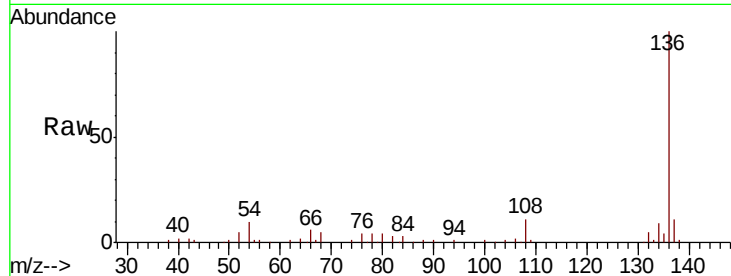




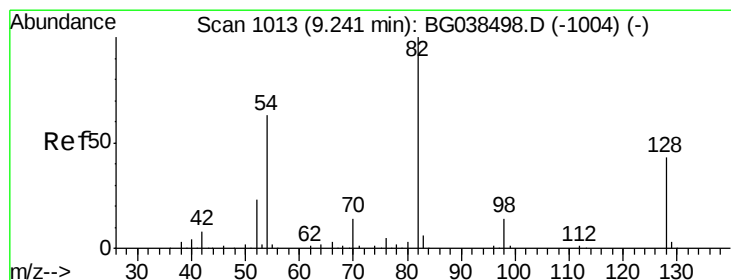
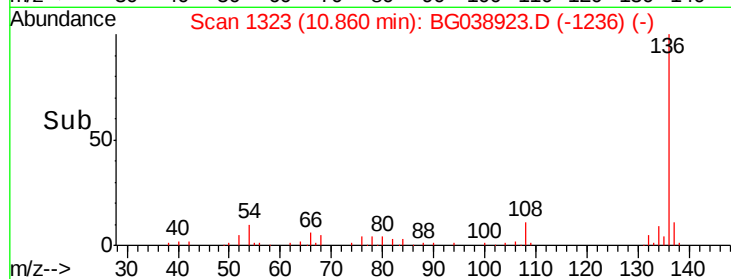
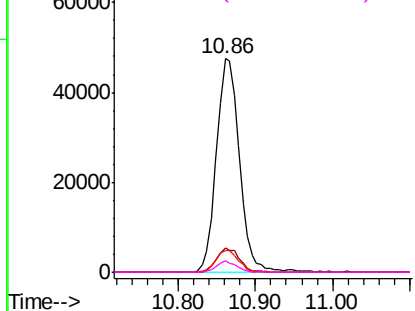
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038923.D
Acq: 4 Jan 2019 3:52

Instrument :
BNA_G
ClientSampleId :
PB116135TB

Tgt Ion:	136	Resp:	98416
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	10.4	8.5	12.7
68	5.2	3.5	5.3

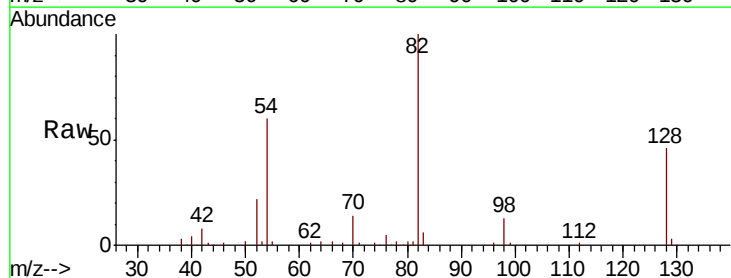


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

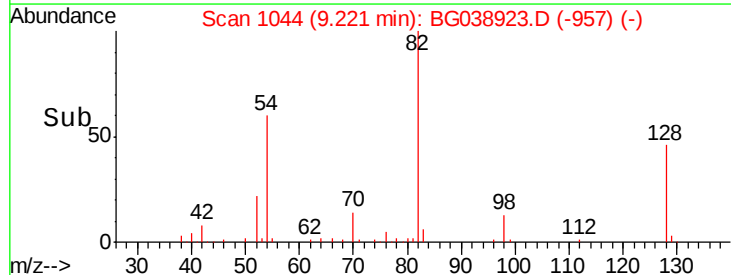
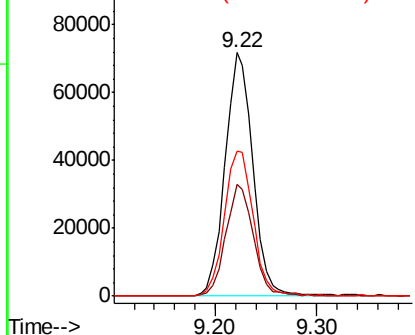


#23
Nitrobenzene-d5
Concen: 70.887 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038923.D
Acq: 4 Jan 2019 3:52

Tgt Ion:	82	Resp:	136560
Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.6	52.0
54	59.8	50.6	76.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG038923.D

Acq: 4 Jan 2019 3:52

Instrument :

BNA_G

ClientSampleId :

PB116135TB

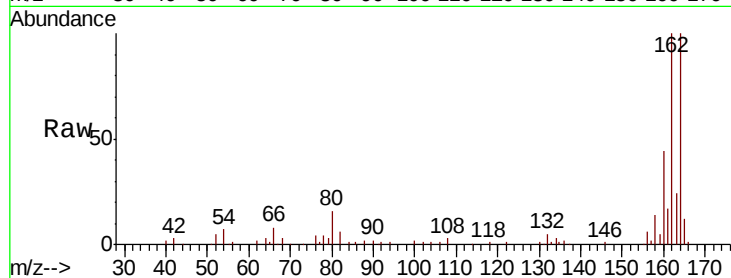
Tgt Ion:164 Resp: 73721

Ion Ratio Lower Upper

164 100

162 99.8 86.6 130.0

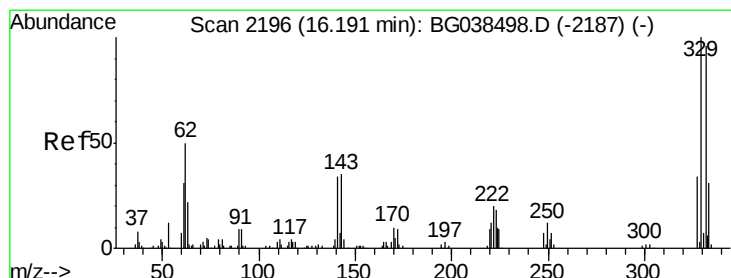
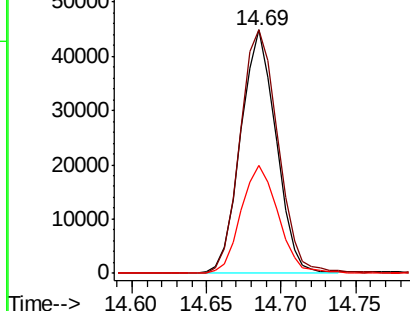
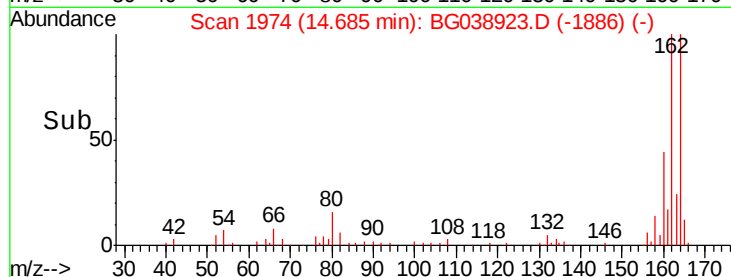
160 44.3 34.2 51.2



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: 86.022 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BG038923.D

Acq: 4 Jan 2019 3:52

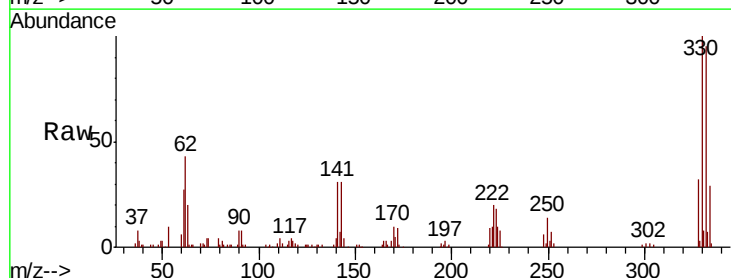
Tgt Ion:330 Resp: 87399

Ion Ratio Lower Upper

330 100

332 95.6 76.9 115.3

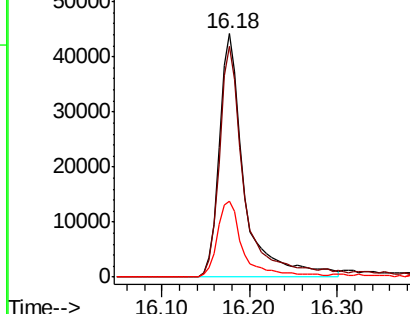
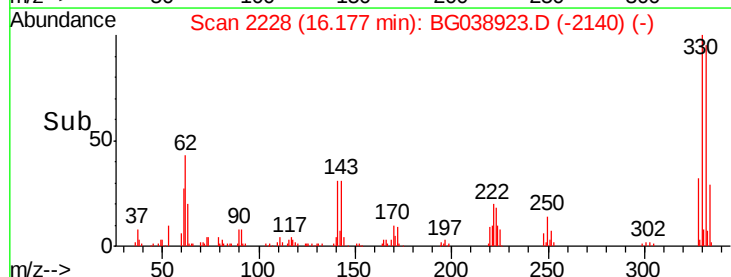
141 32.3 28.8 43.2



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

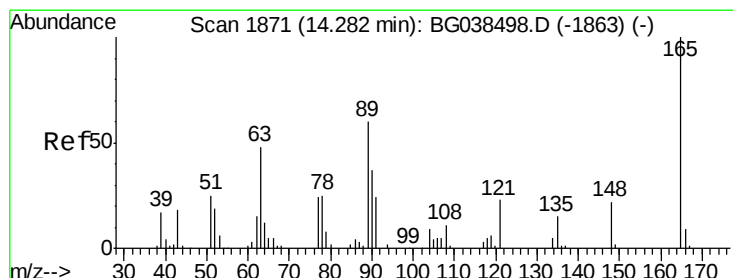
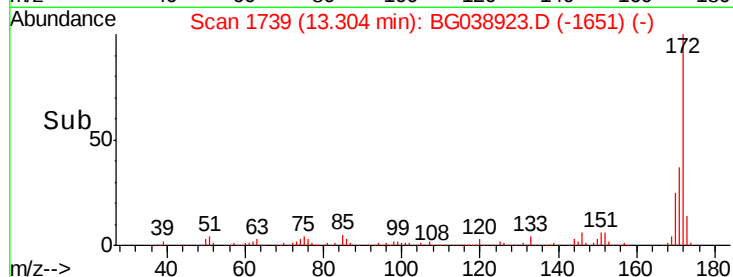
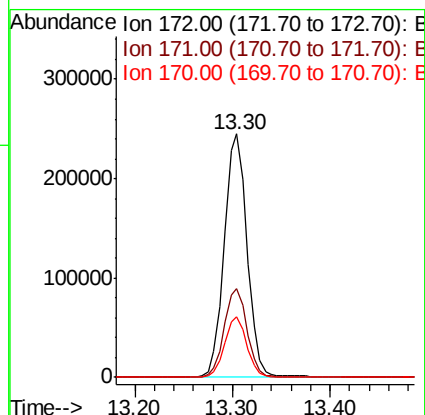
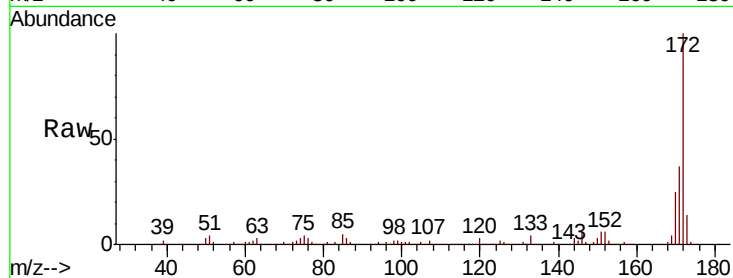




#45
 2-Fluorobiphenyl
 Concen: 74.131 ng
 RT: 13.30 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG038923.D
 Acq: 4 Jan 2019 3:52

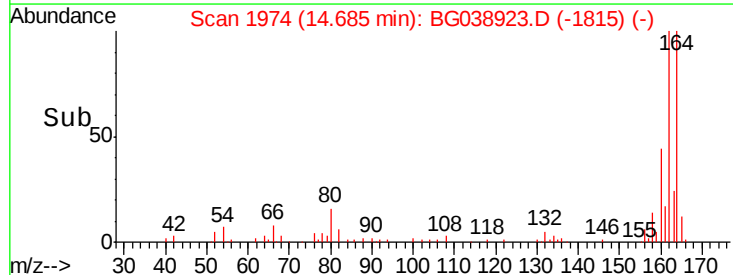
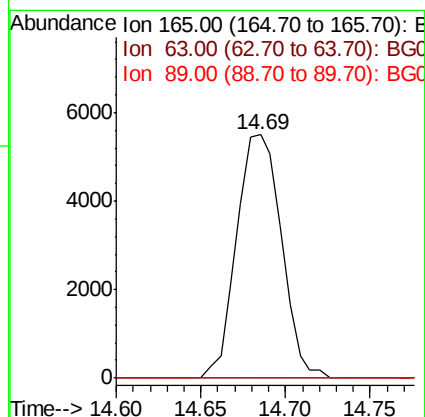
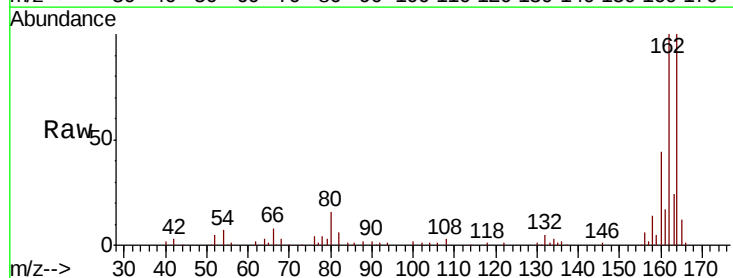
Instrument :
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 PB116135TB

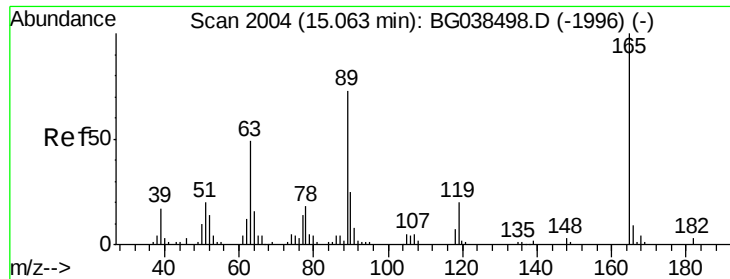
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.8	44.6
170	24.7	19.5	29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.437 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.40 min
 Lab File: BG038923.D
 Acq: 4 Jan 2019 3:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	0.0	47.9	71.9#

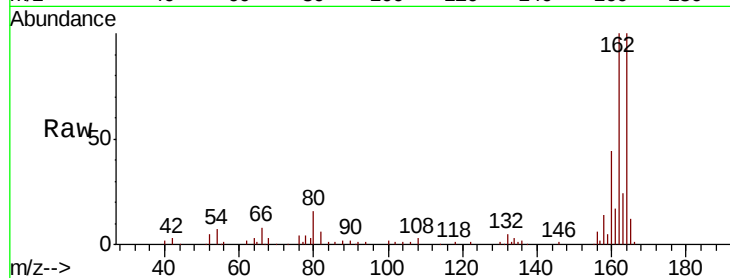




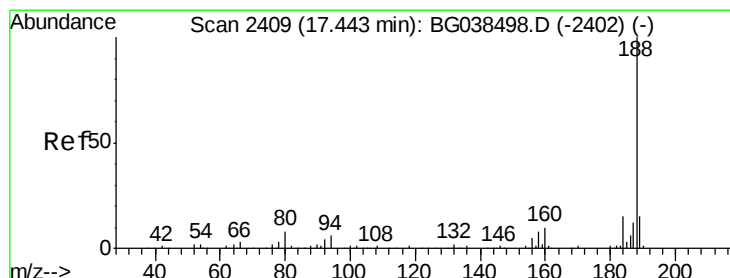
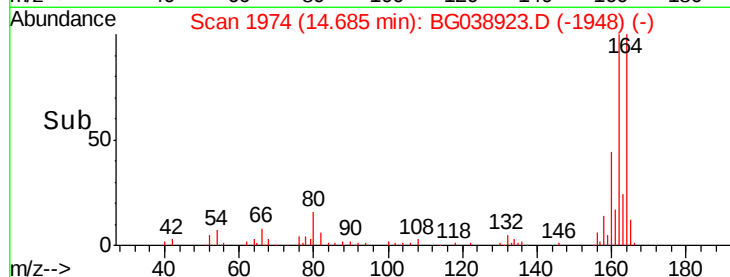
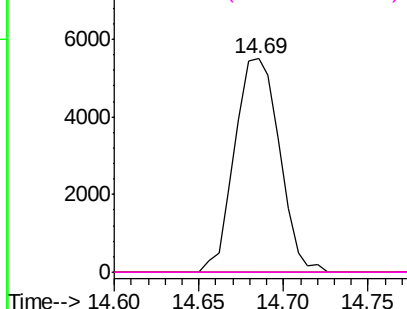
#57
 2,4-Dinitrotoluene
 Concen: 5.281 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG038923.D
 Acq: 4 Jan 2019 3:52

Instrument :
 BNA_G
 ClientSampleId :
 PB116135TB

Tgt Ion:	165	Resp:	10147
Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	0.0	58.0	87.0#
182	0.0	2.3	3.5#

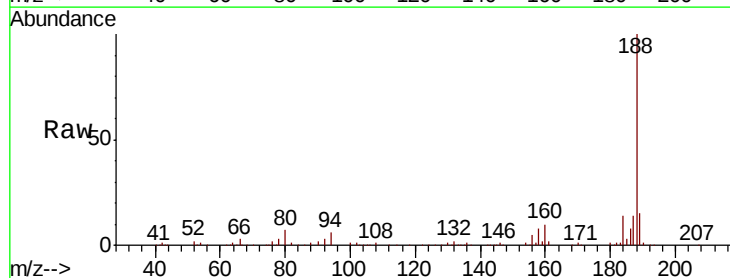


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

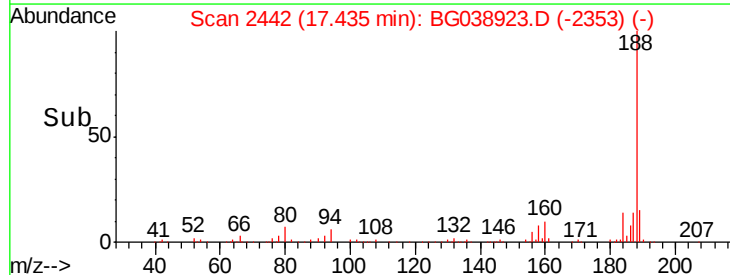
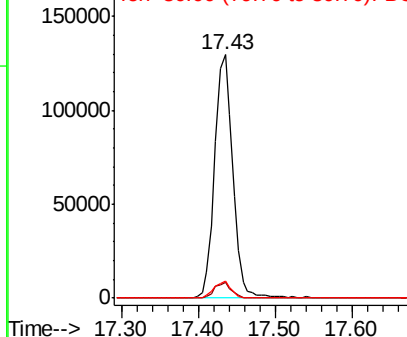


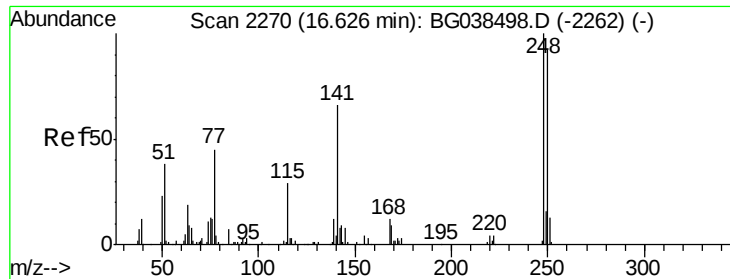
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BG038923.D
 Acq: 4 Jan 2019 3:52

Tgt Ion:	188	Resp:	210317
Ion	Ratio	Lower	Upper
188	100		
94	6.4	5.1	7.7
80	6.9	6.1	9.1



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

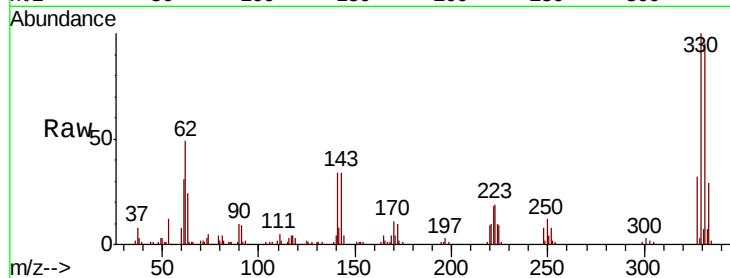




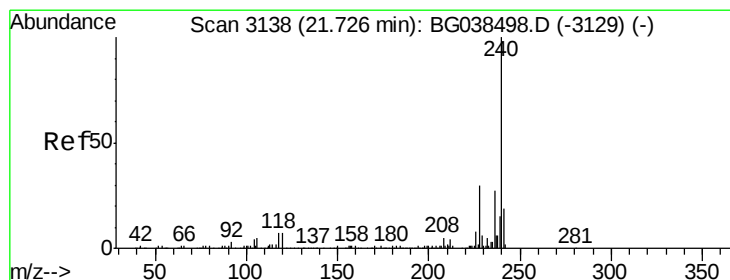
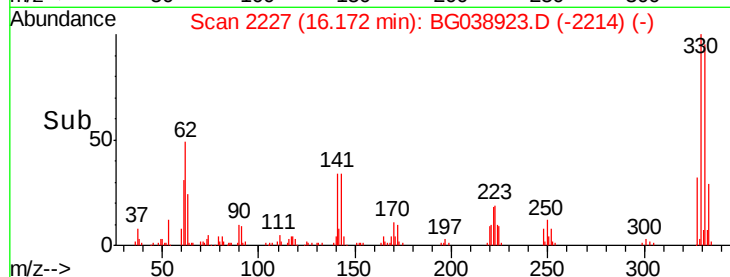
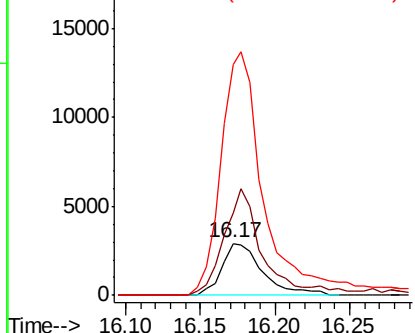
#67
 4-Bromophenyl-phenylether
 Concen: 2.167 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.45 min
 Lab File: BG038923.D
 Acq: 4 Jan 2019 3:52

Instrument :
 BNA_G
 ClientSampleId :
 PB116135TB

Tgt Ion:248 Resp: 5567
 Ion Ratio Lower Upper
 248 100
 250 163.8 73.4 110.2#
 141 345.7 52.9 79.3#

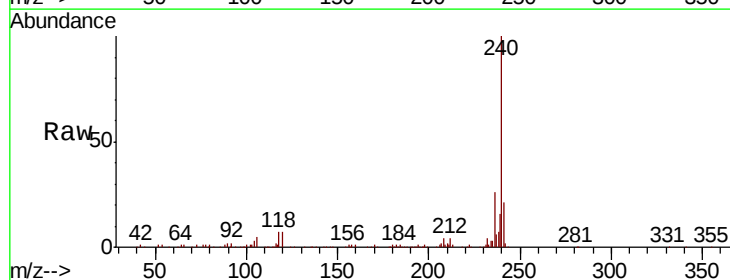


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

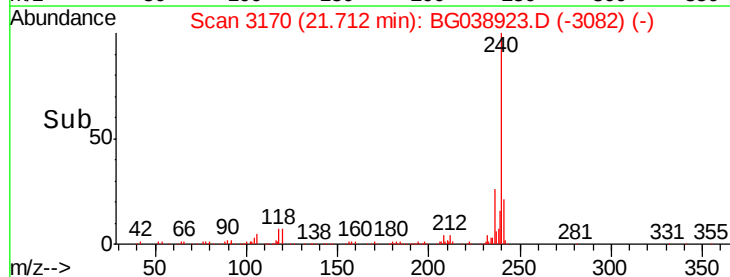
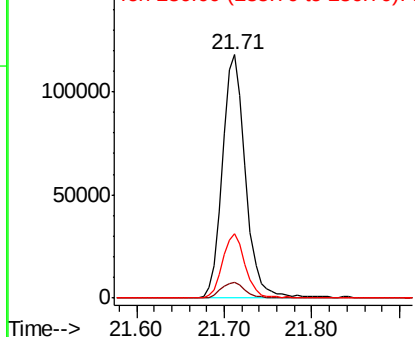


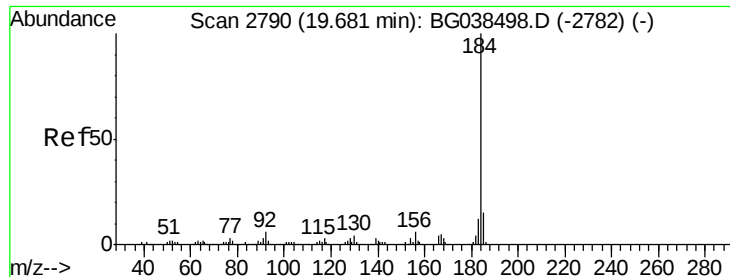
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3170
 Delta R.T. -0.01 min
 Lab File: BG038923.D
 Acq: 4 Jan 2019 3:52

Tgt Ion:240 Resp: 214926
 Ion Ratio Lower Upper
 240 100
 120 6.6 5.3 7.9
 236 26.5 21.4 32.2



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.240 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.35 min

Lab File: BG038923.D

Acq: 4 Jan 2019 3:52

Instrument :

BNA_G

ClientSampleId :

PB116135TB

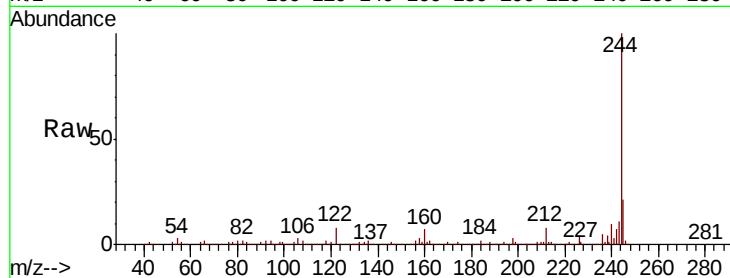
Tgt Ion:184 Resp: 14238

Ion Ratio Lower Upper

184 100

185 15.8 12.2 18.2

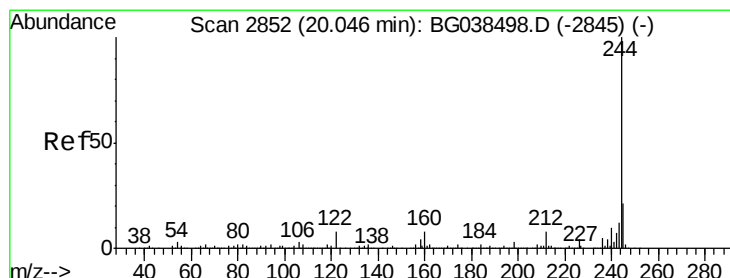
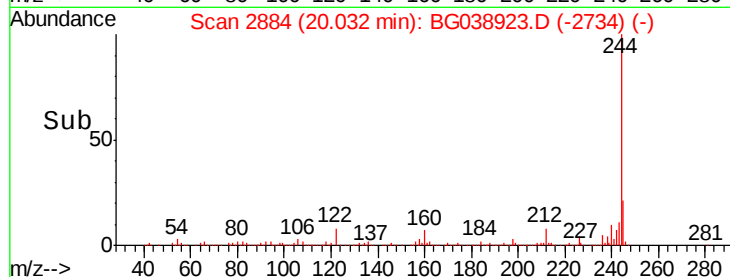
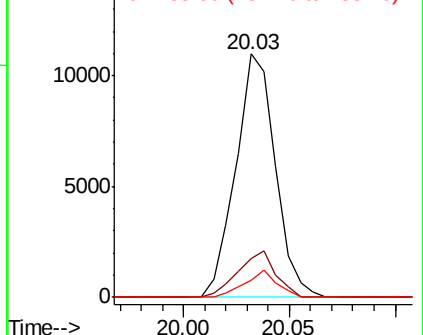
183 7.2 9.6 14.4#



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



#79

Terphenyl-d14

Concen: 87.401 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038923.D

Acq: 4 Jan 2019 3:52

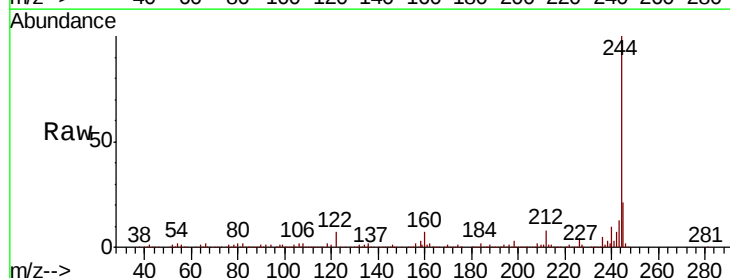
Tgt Ion:244 Resp: 863142

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

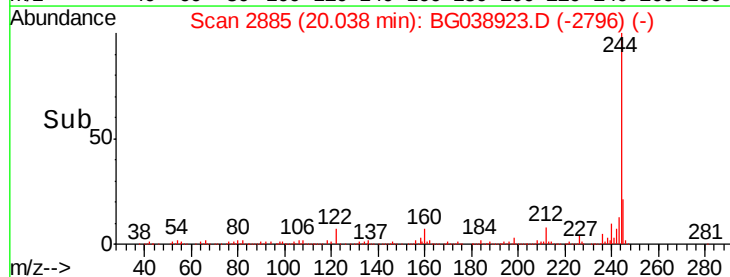
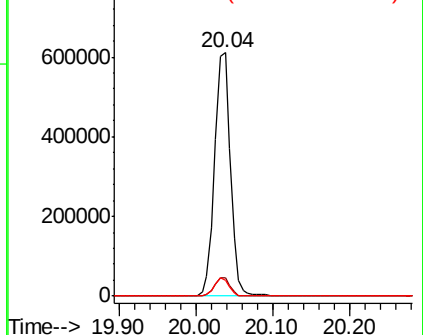
122 6.7 6.3 9.5

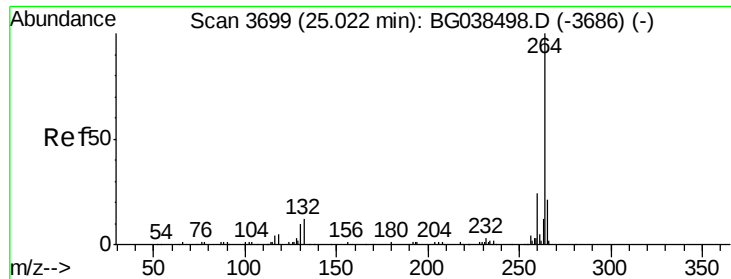


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.00 min Scan# 3730
Delta R.T. -0.02 min
Lab File: BG038923.D
Acq: 4 Jan 2019 3:52

Instrument :
BNA_G
ClientSampleId :
PB116135TB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.9	28.3
265	21.8	17.0	25.4

