

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121918\
 Data File : BG038756.D
 Acq On : 20 Dec 2018 10:14
 Operator : JU/SJ
 Sample : J6465-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 20 11:07:19 2018
 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

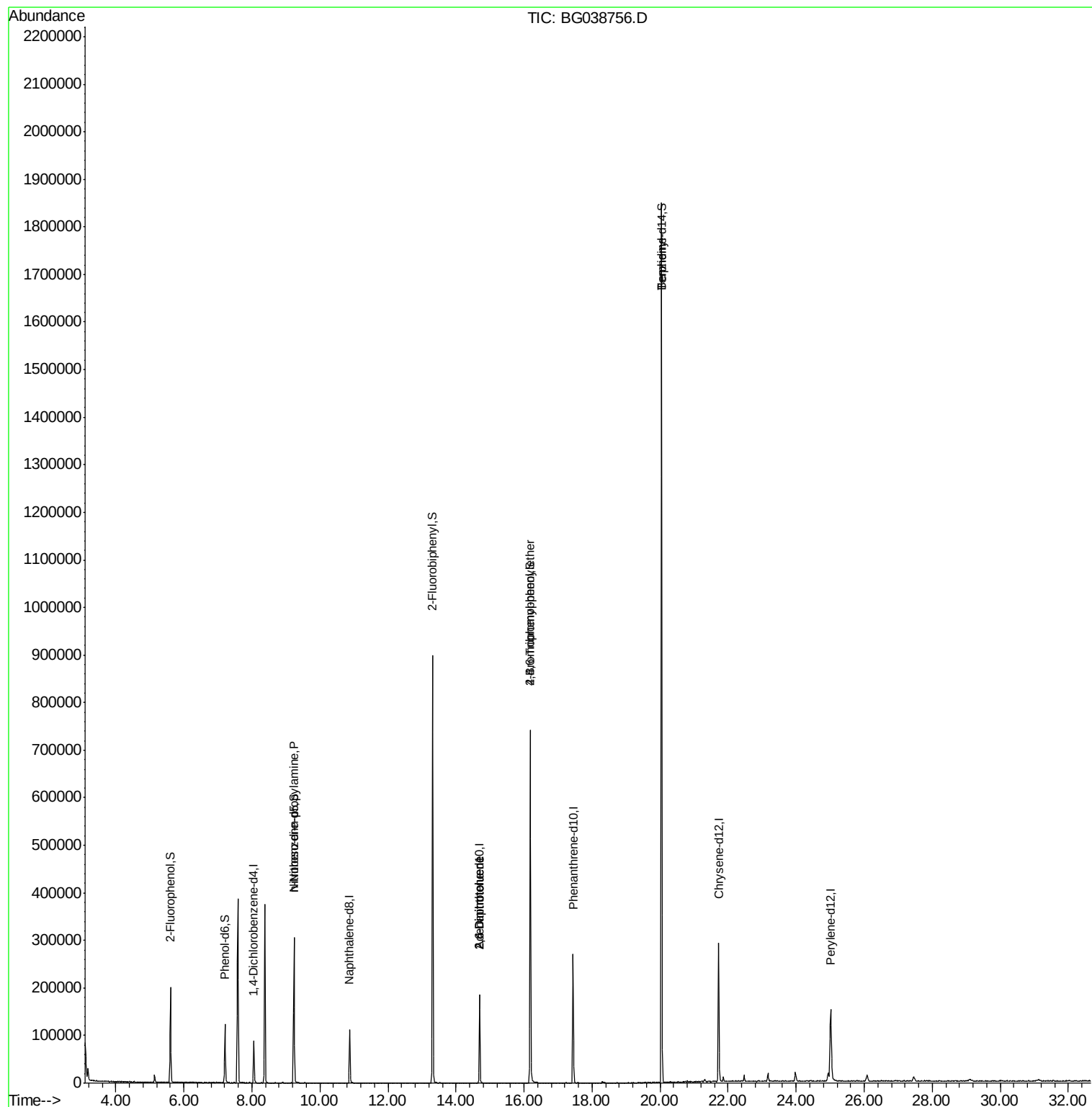
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	25323	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	102243	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	69922	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	184565	20.00	ng	0.00
76) Chrysene-d12	21.72	240	196014	20.00	ng	0.00
87) Perylene-d12	25.01	264	205698	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	87176	61.06	ng	0.00
7) Phenol-d6	7.21	99	70668	36.06	ng	0.00
23) Nitrobenzene-d5	9.24	82	183875	91.88	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	157925	163.88	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	488811	95.90	ng	0.00
79) Terphenyl-d14	20.04	244	957848	106.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	24675	17.925	ng	# 71
51) 2,6-Dinitrotoluene	14.69	165	9503	7.344	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	9503	5.214	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	10281	4.561	ng	# 1
77) Benzidine	20.04	184	16407	2.830	ng	# 92

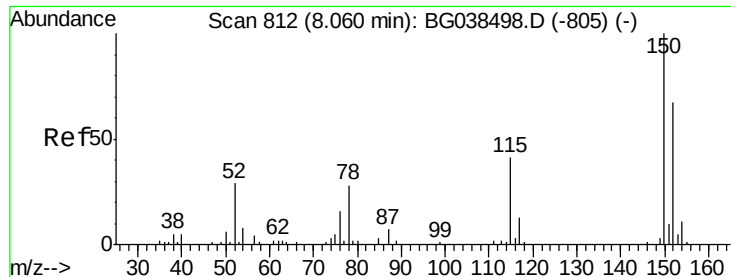
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 12 15:26:27 2018
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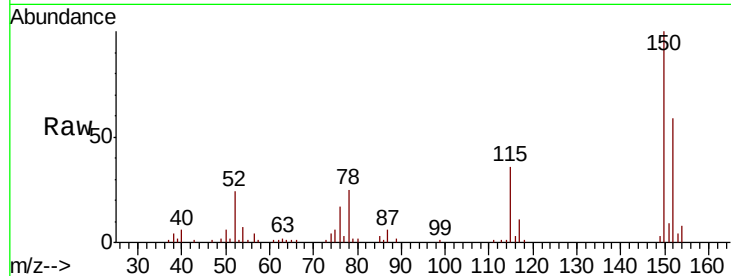


#1

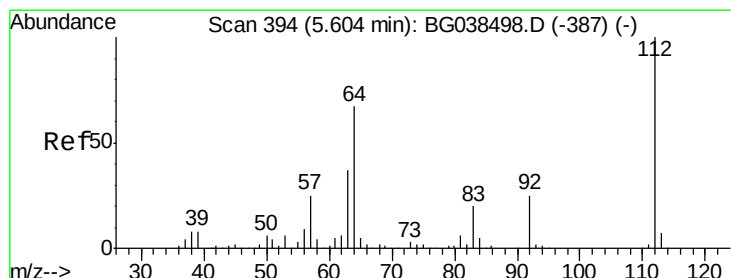
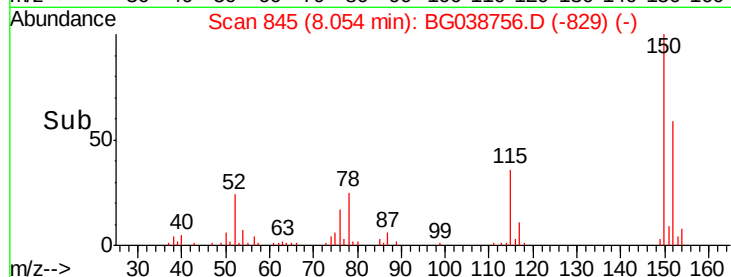
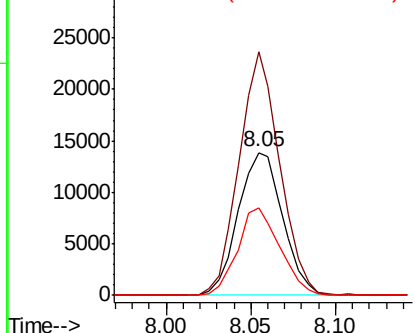
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038756.D
Acq: 20 Dec 2018 10:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 25323
Ion Ratio Lower Upper
152 100
150 170.3 119.5 179.3
115 61.3 49.6 74.4



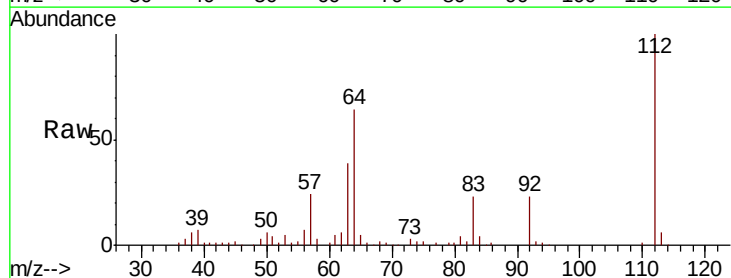
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



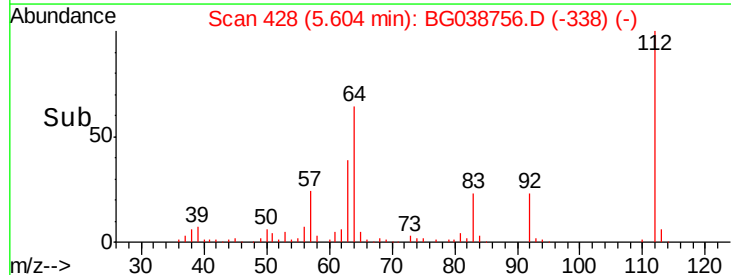
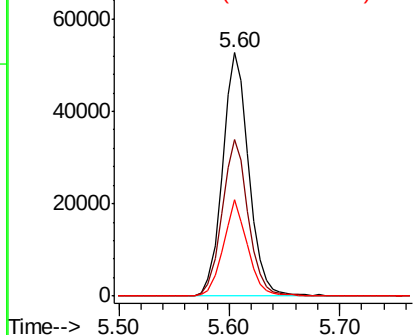
#5

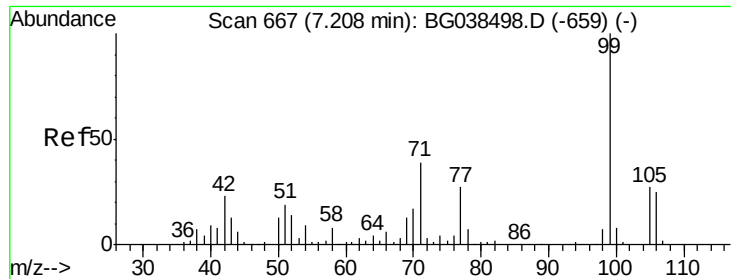
2-Fluorophenol
Concen: 61.059 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038756.D
Acq: 20 Dec 2018 10:14

Tgt Ion:112 Resp: 87176
Ion Ratio Lower Upper
112 100
64 64.3 53.4 80.2
63 39.4 29.3 43.9



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





#7

Phenol-d6

Concen: 36.055 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG038756.D

Acq: 20 Dec 2018 10:14

Instrument :

BNA_G

ClientSampleId :

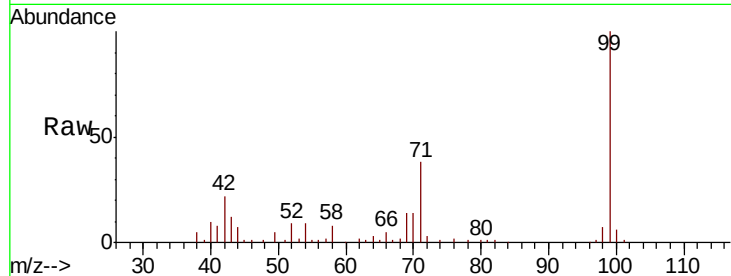
Tot Ion: 99 Resp: 70668

Ion Ratio Lower Upper

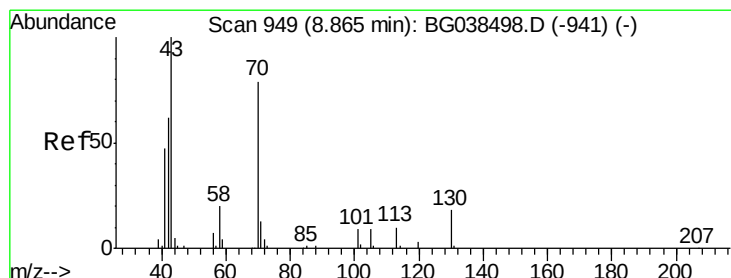
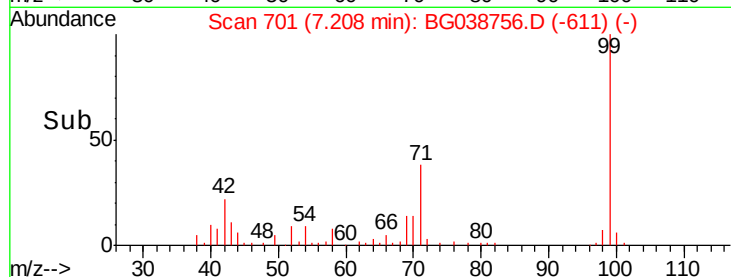
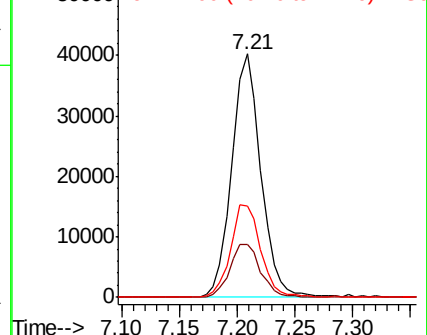
99 100

42 21.9 18.5 27.7

71 37.7 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: 17.925 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038756.D

Acq: 20 Dec 2018 10:14

Tgt Ion: 70 Resp: 24675

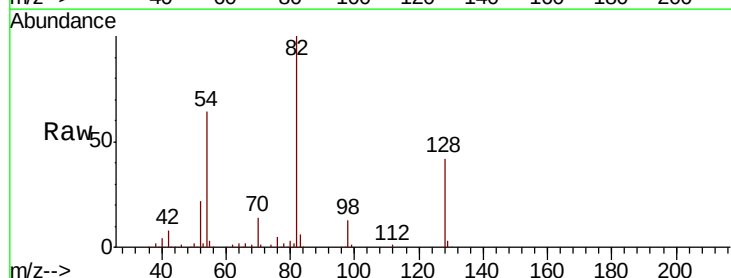
Ion Ratio Lower Upper

70 100

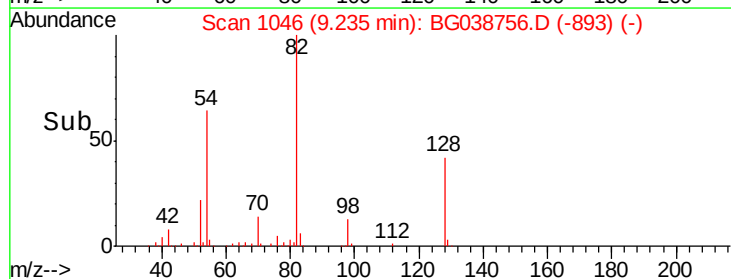
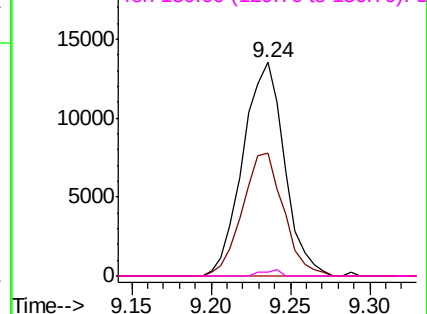
42 57.8 63.6 95.4#

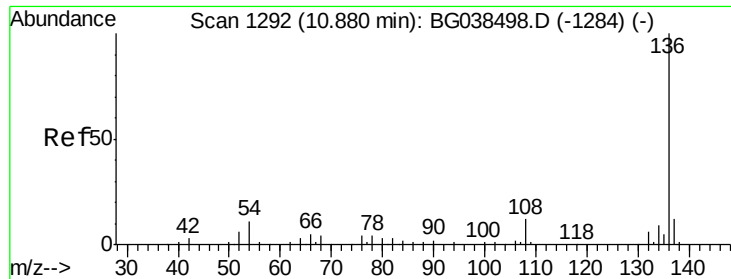
101 0.0 9.2 13.8#

130 1.6 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

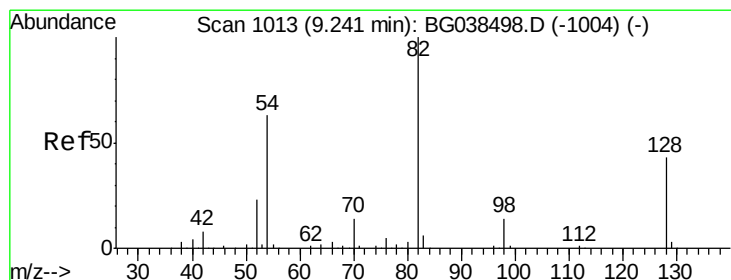
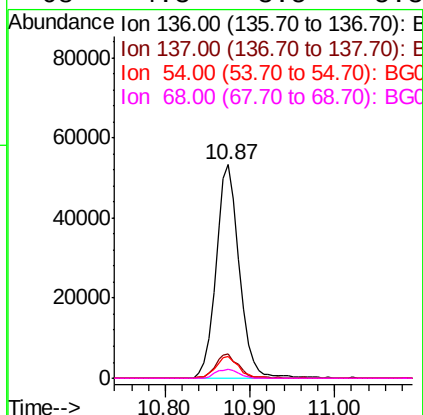
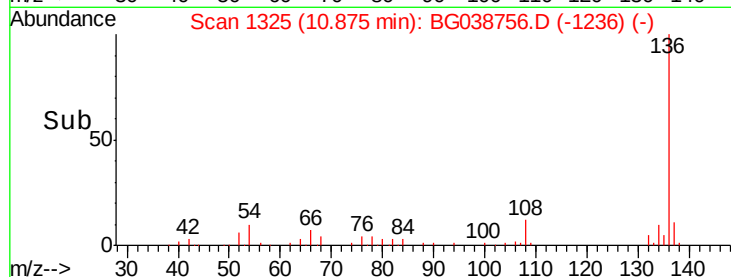
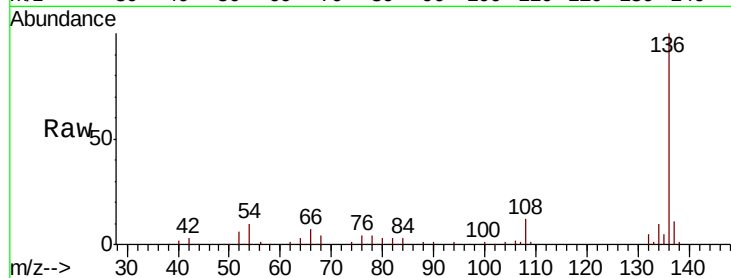




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038756.D
Acq: 20 Dec 2018 10:14

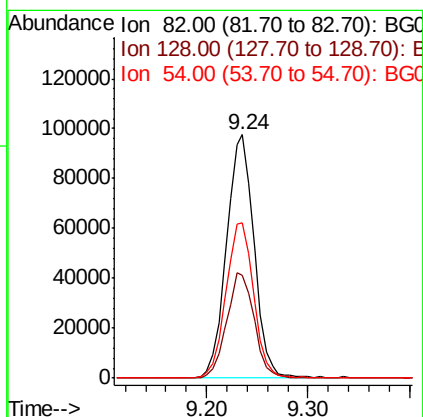
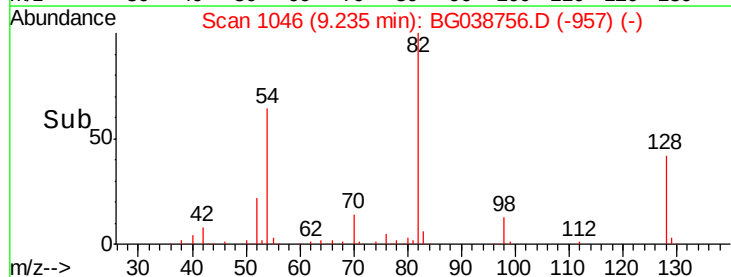
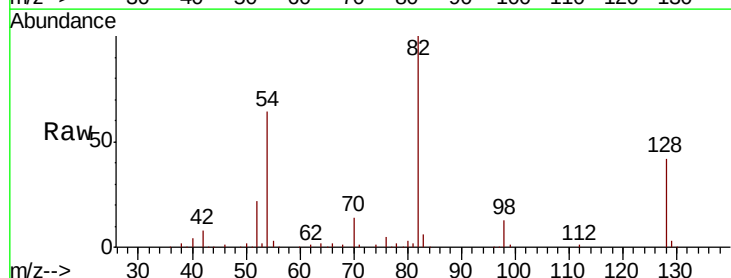
Instrument :
BNA_G
ClientSampleId :

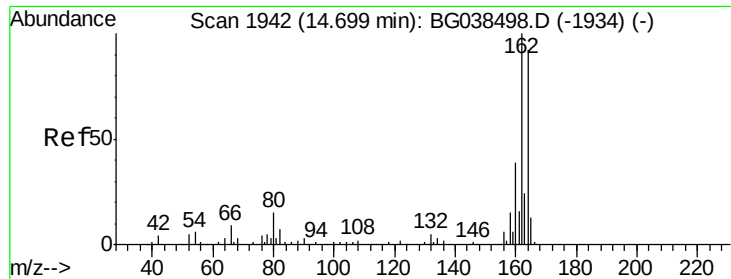
Tot Ion:136	Resp:	102243
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.3 13.9
54	10.5	8.5 12.7
68	4.3	3.5 5.3



#23
Nitrobenzene-d5
Concen: 91.876 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038756.D
Acq: 20 Dec 2018 10:14

Tgt Ion: 82	Resp:	183875
Ion	Ratio	Lower Upper
82	100	
128	42.3	34.6 52.0
54	63.6	50.6 76.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038756.D

Acq: 20 Dec 2018 10:14

Instrument :

BNA_G

ClientSampleId :

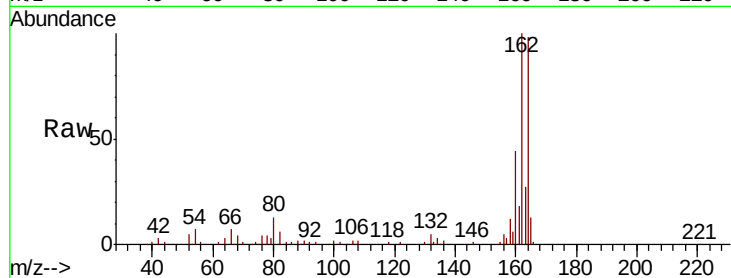
Tot Ion:164 Resp: 69922

Ion Ratio Lower Upper

164 100

162 102.1 86.6 130.0

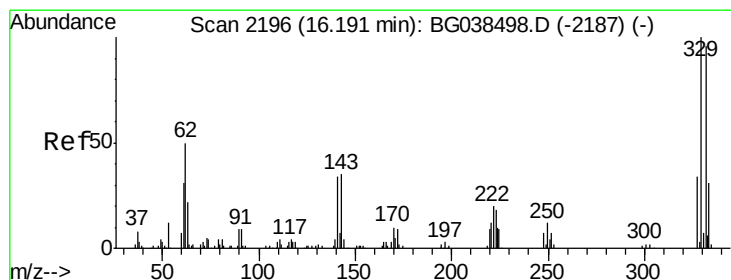
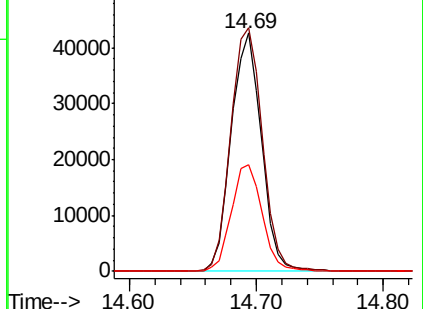
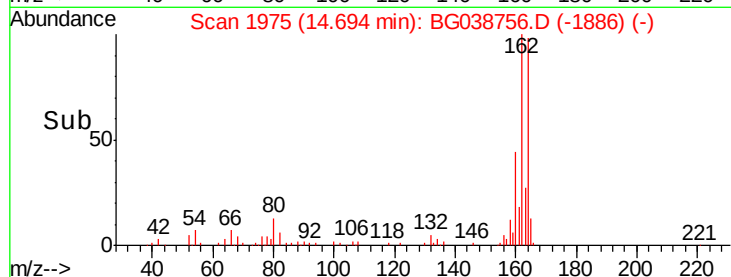
160 44.8 34.2 51.2



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: 163.882 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038756.D

Acq: 20 Dec 2018 10:14

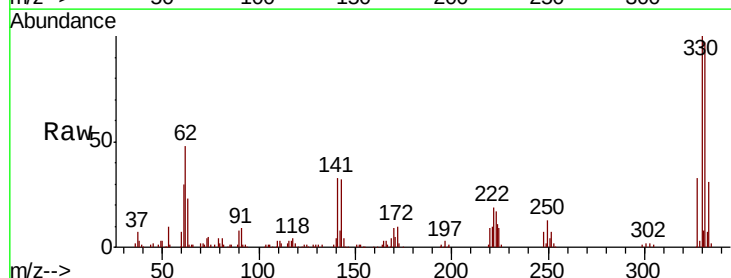
Tgt Ion:330 Resp: 157925

Ion Ratio Lower Upper

330 100

332 96.8 76.9 115.3

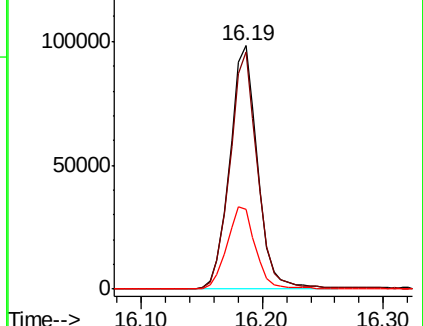
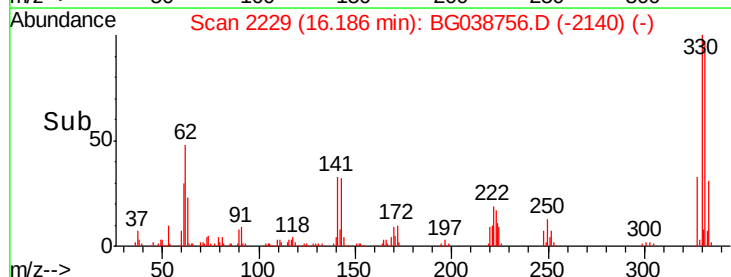
141 34.7 28.8 43.2

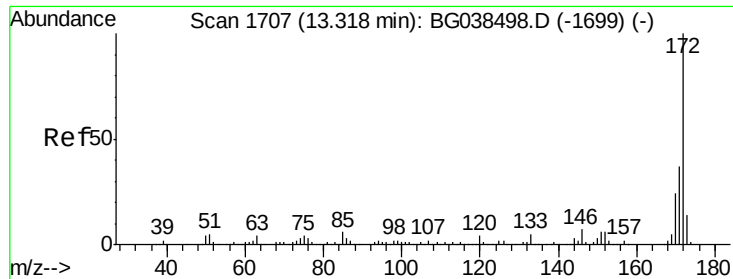


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

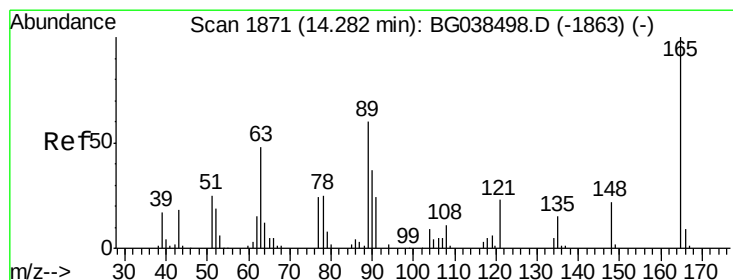
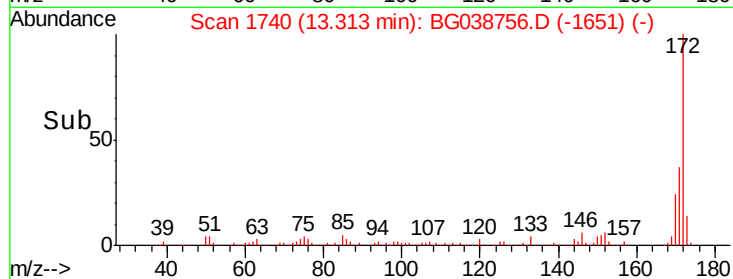
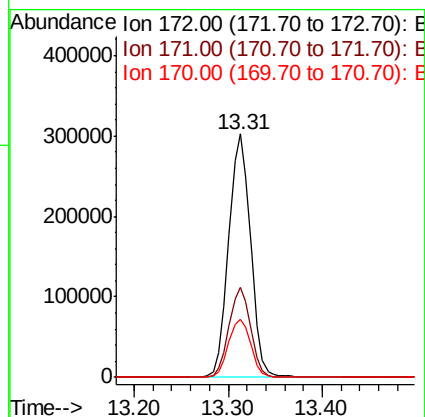
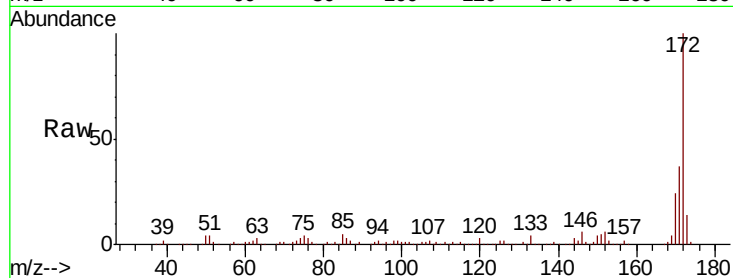




#45
 2-Fluorobiphenyl
 Concen: 95.903 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038756.D
 Acq: 20 Dec 2018 10:14

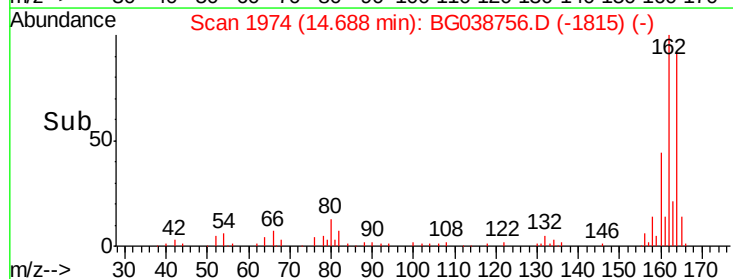
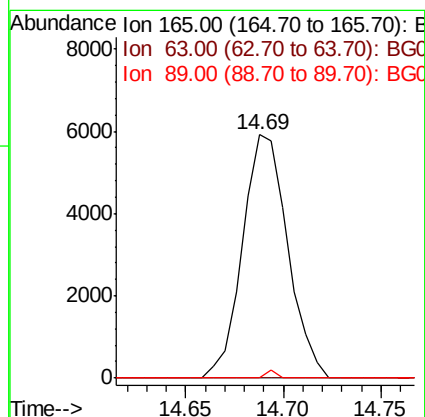
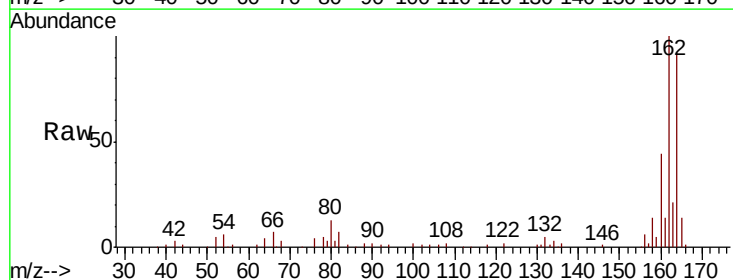
Instrument :
 BNA_G
 ClientSampleId :

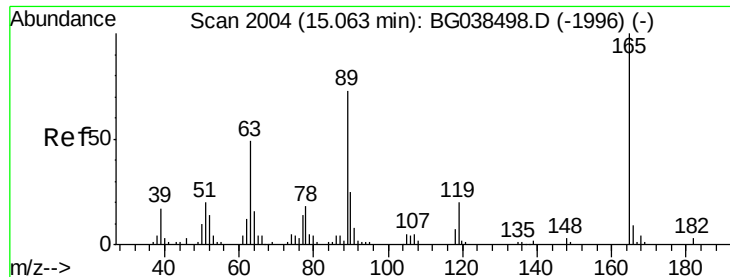
Tot Ion:172 Resp: 488811
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.8 44.6
 170 24.1 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.344 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.41 min
 Lab File: BG038756.D
 Acq: 20 Dec 2018 10:14

Tgt Ion:165 Resp: 9503
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

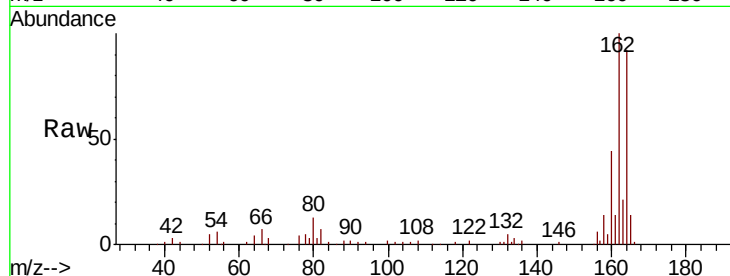




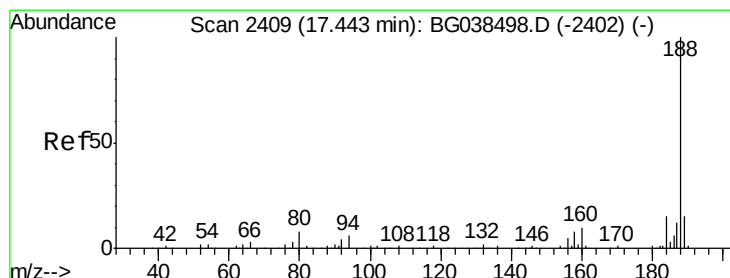
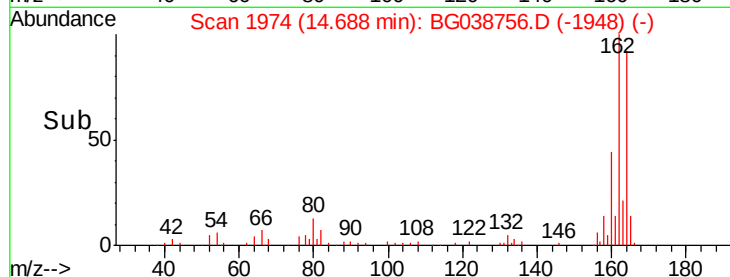
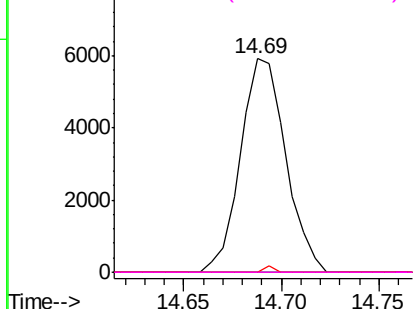
#57
 2,4-Dinitrotoluene
 Concen: 5.214 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG038756.D
 Acq: 20 Dec 2018 10:14

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#

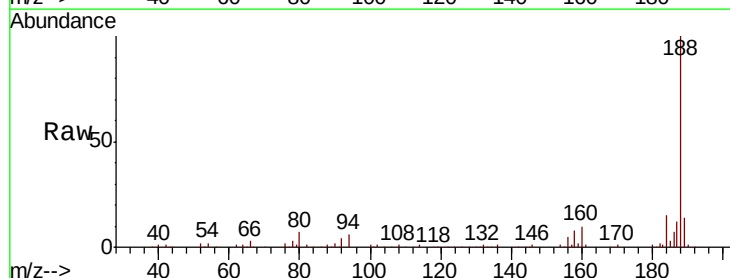


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

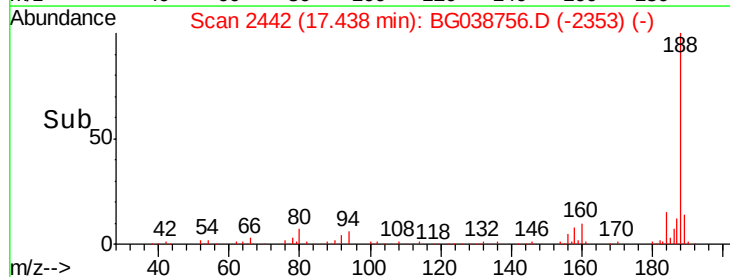
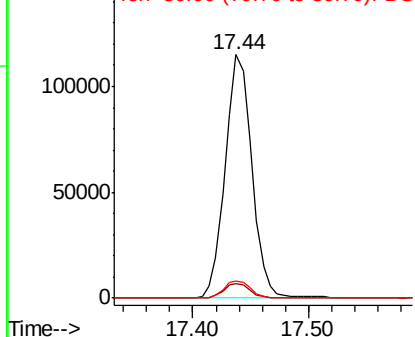


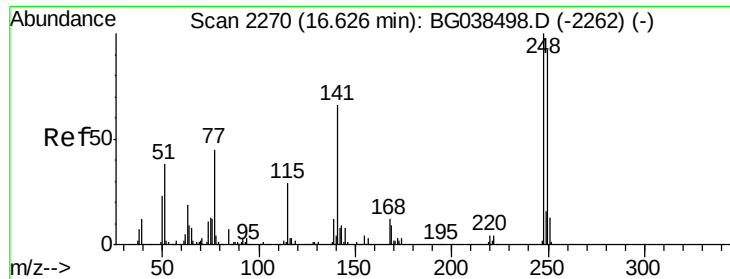
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BG038756.D
 Acq: 20 Dec 2018 10:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	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

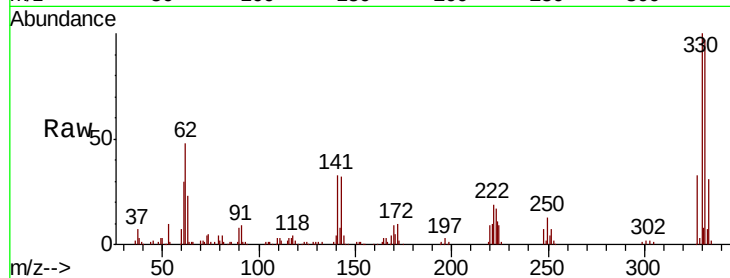




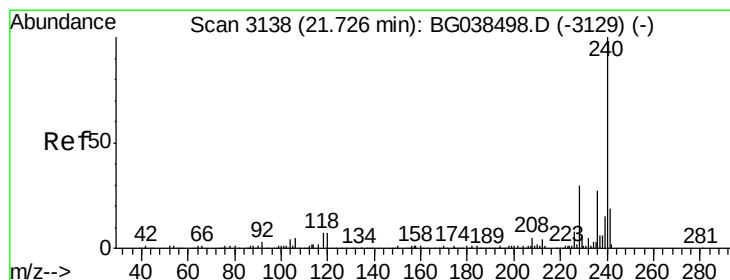
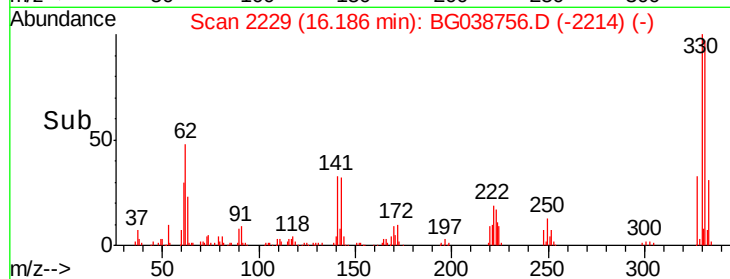
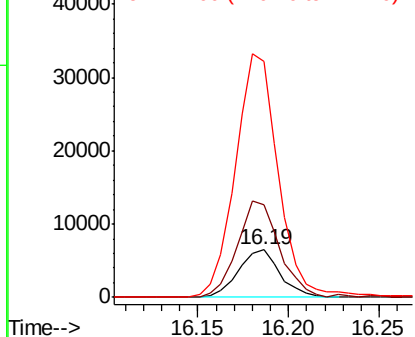
#67
 4-Bromophenyl-phenylether
 Concen: 4.561 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038756.D
 Acq: 20 Dec 2018 10:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 10281
 Ion Ratio Lower Upper
 248 100
 250 194.6 73.4 110.2#
 141 381.0 52.9 79.3#

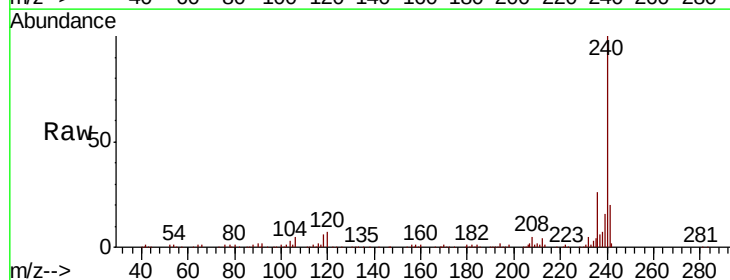


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

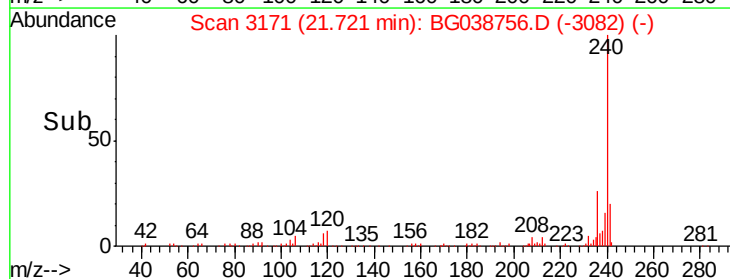
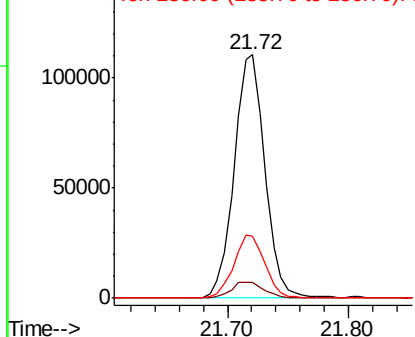


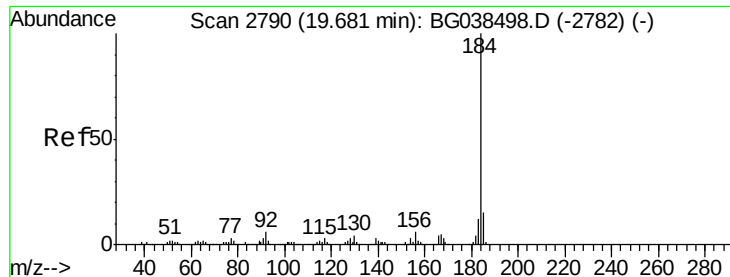
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038756.D
 Acq: 20 Dec 2018 10:14

Tgt Ion:240 Resp: 196014
 Ion Ratio Lower Upper
 240 100
 120 6.6 5.3 7.9
 236 25.7 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: 2.830 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038756.D

Acq: 20 Dec 2018 10:14

Instrument :

BNA_G

ClientSampleId :

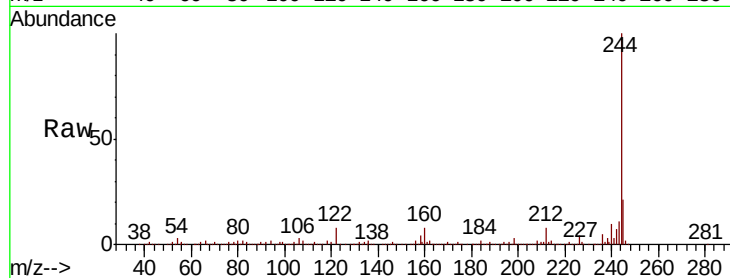
Tot Ion:184 Resp: 16407

Ion Ratio Lower Upper

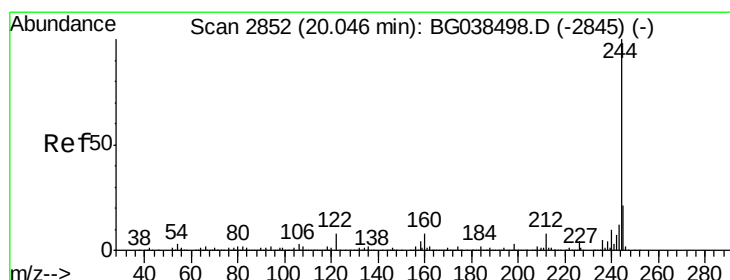
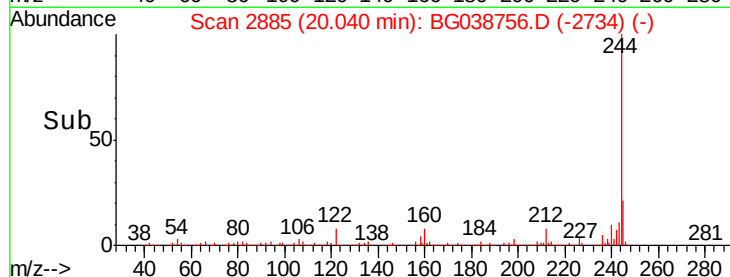
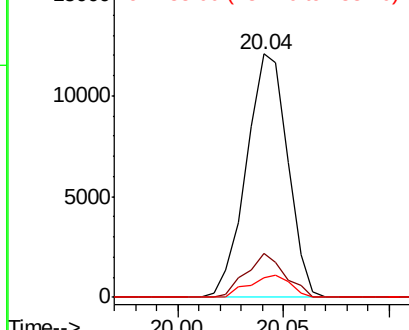
184 100

185 17.9 12.2 18.2

183 7.9 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: 106.349 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038756.D

Acq: 20 Dec 2018 10:14

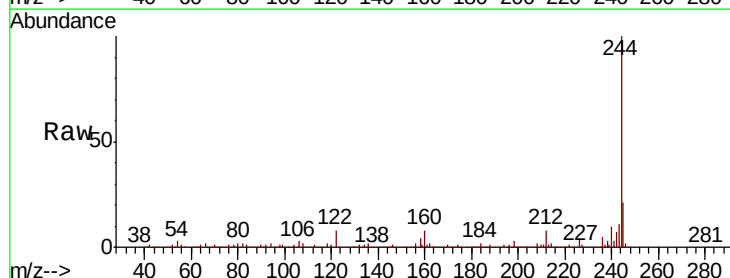
Tgt Ion:244 Resp: 957848

Ion Ratio Lower Upper

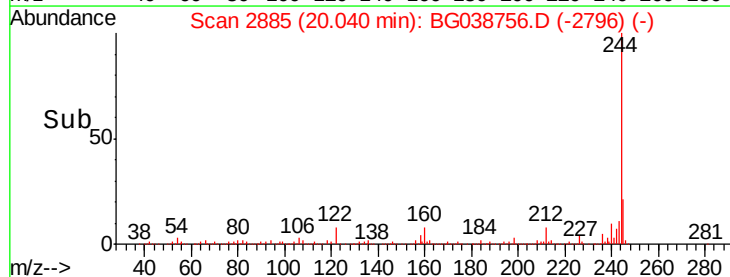
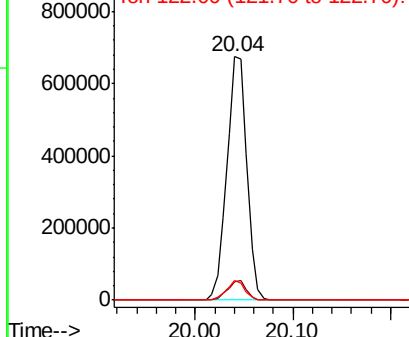
244 100

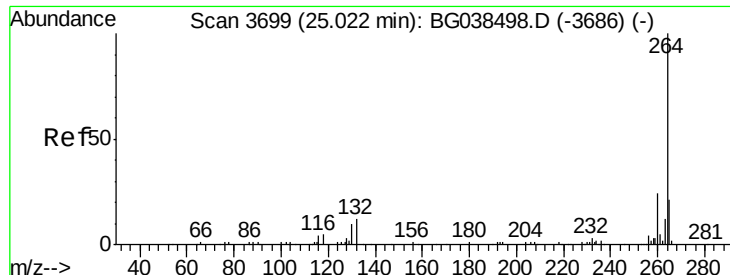
212 7.7 6.2 9.2

122 7.9 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
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.01 min Scan# 3731
 Delta R.T. -0.01 min
 Lab File: BG038756.D
 Acq: 20 Dec 2018 10:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.9	28.3
265	21.6	17.0	25.4

