

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121518\
 Data File : BG038601.D
 Acq On : 15 Dec 2018 12:53
 Operator : JU/SJ
 Sample : PB115709BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB115709BL

Quant Time: Dec 16 02:21:05 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

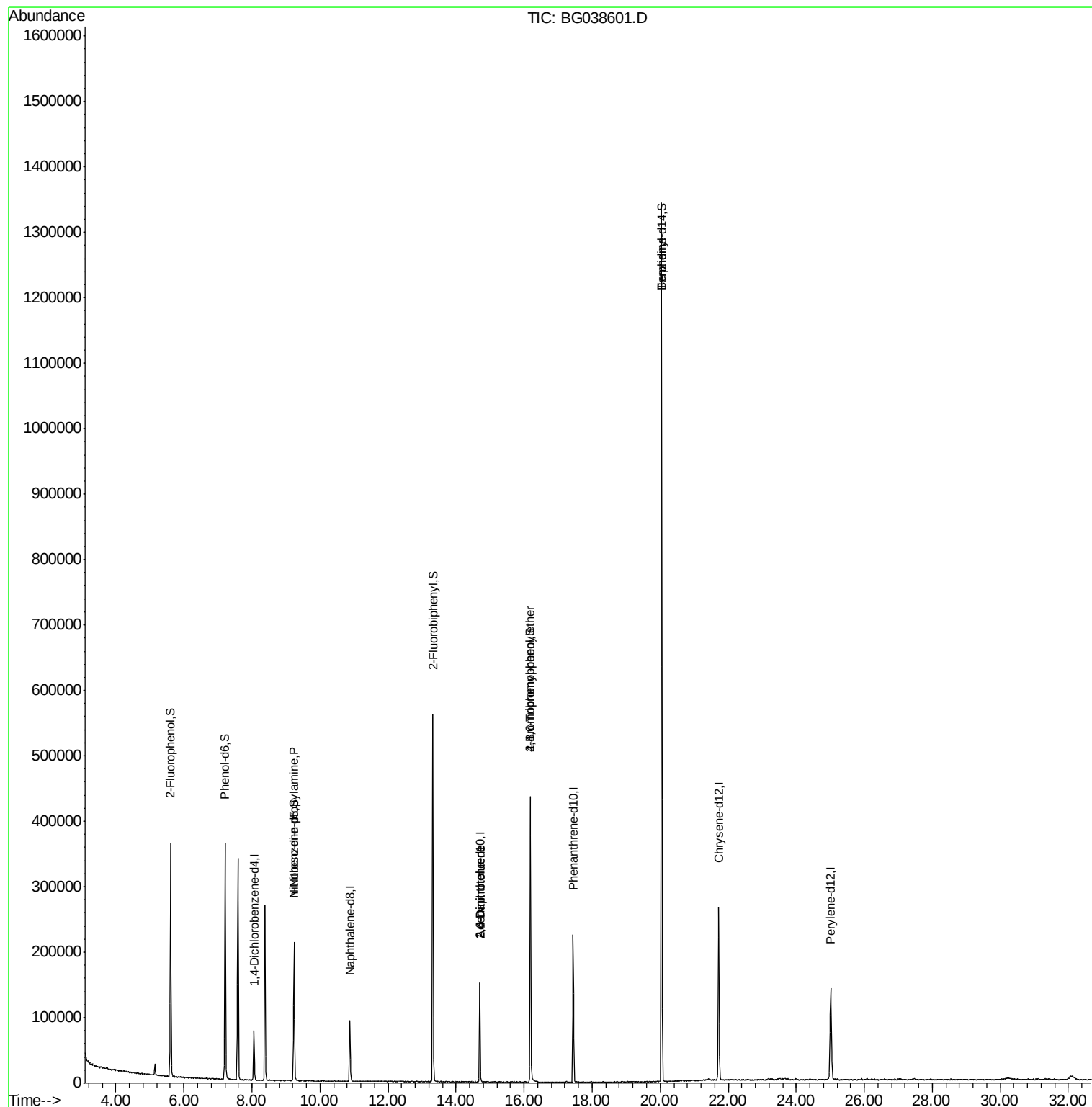
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	22376	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	88077	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	58038	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	149151	20.00	ng	0.00
76) Chrysene-d12	21.72	240	168550	20.00	ng	0.00
87) Perylene-d12	25.02	264	176218	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	149841	118.77	ng	0.00
7) Phenol-d6	7.21	99	200720	115.90	ng	0.00
23) Nitrobenzene-d5	9.23	82	129769	75.27	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	87484	109.37	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	314113	74.25	ng	0.00
79) Terphenyl-d14	20.04	244	650773	84.03	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	17615	14.481	ng	# 65
51) 2,6-Dinitrotoluene	14.70	165	7430	6.918	ng	# 19
57) 2,4-Dinitrotoluene	14.70	165	7430	4.911	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	5605	3.077	ng	# 1
77) Benzidine	20.04	184	11391	2.285	ng	98

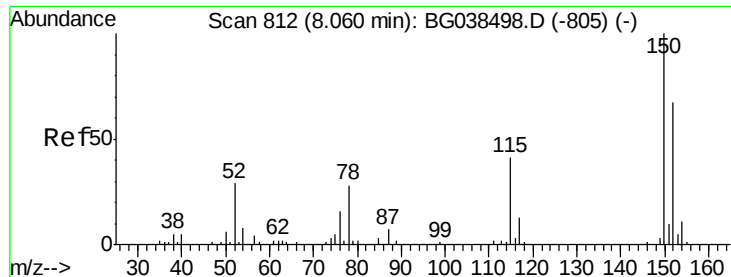
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



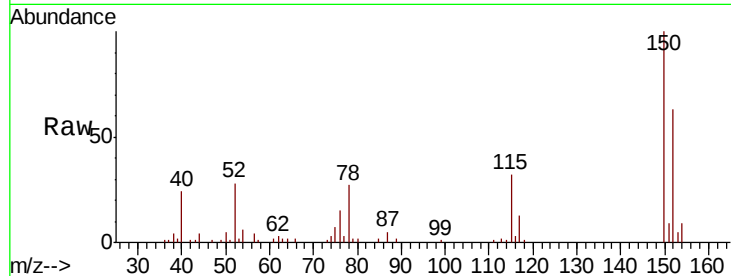


#1

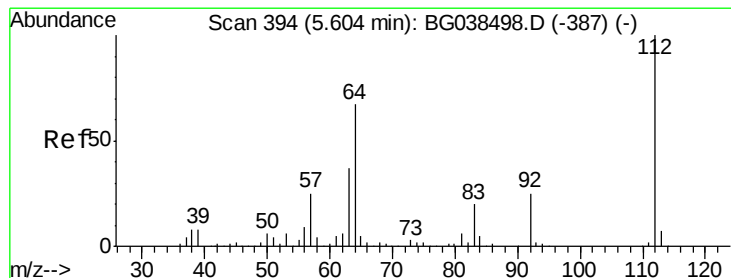
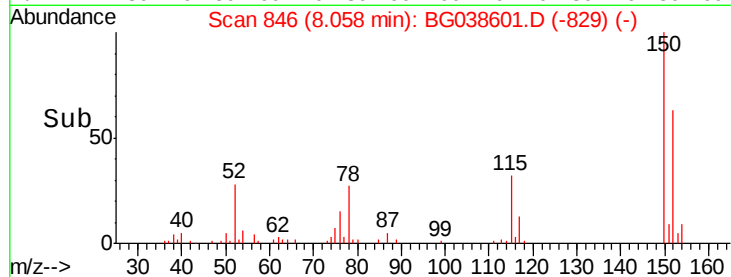
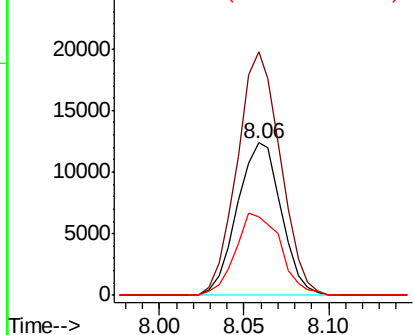
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038601.D
Acq: 15 Dec 2018 12:53

Instrument :
BNA_G
ClientSampleId :
PB115709BL

Tgt Ion:152 Resp: 22376
Ion Ratio Lower Upper
152 100
150 159.9 119.5 179.3
115 51.5 49.6 74.4



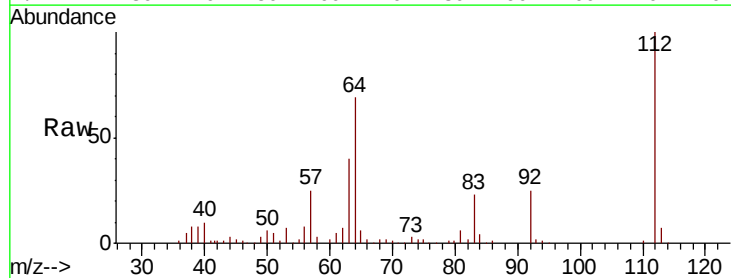
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



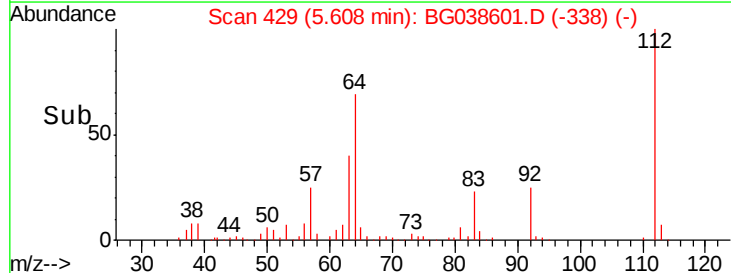
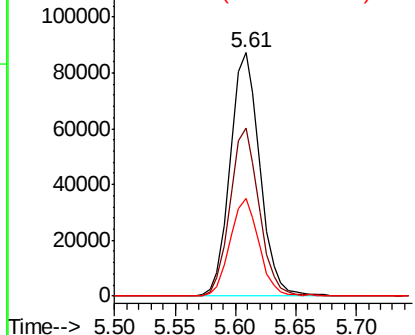
#5

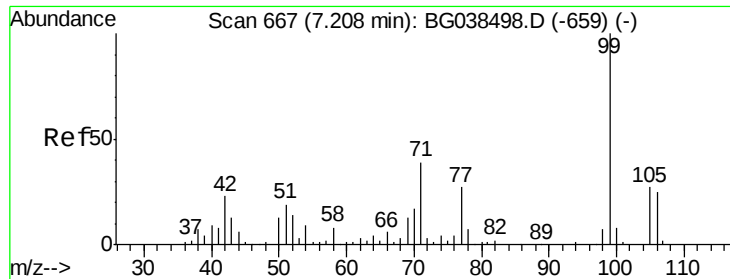
2-Fluorophenol
Concen: 118.773 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038601.D
Acq: 15 Dec 2018 12:53

Tgt Ion:112 Resp: 149841
Ion Ratio Lower Upper
112 100
64 69.2 53.4 80.2
63 40.0 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: 115.896 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038601.D

Acq: 15 Dec 2018 12:53

Instrument :

BNA_G

ClientSampleId :

PB115709BL

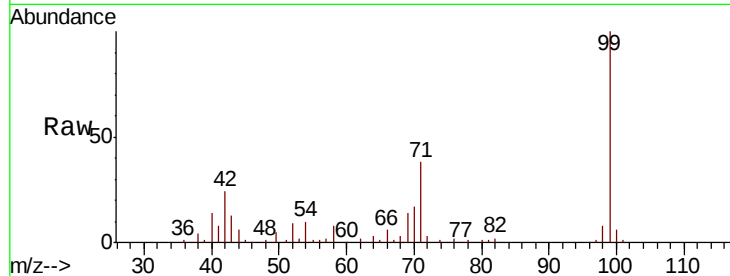
Tgt Ion: 99 Resp: 200720

Ion Ratio Lower Upper

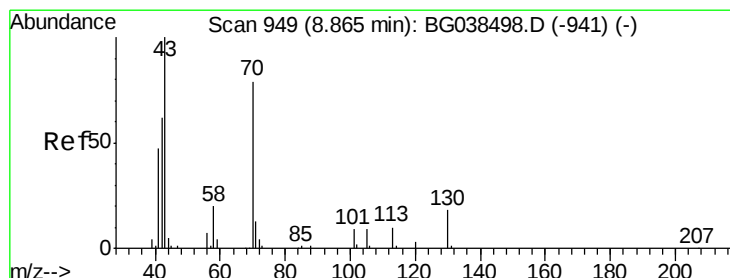
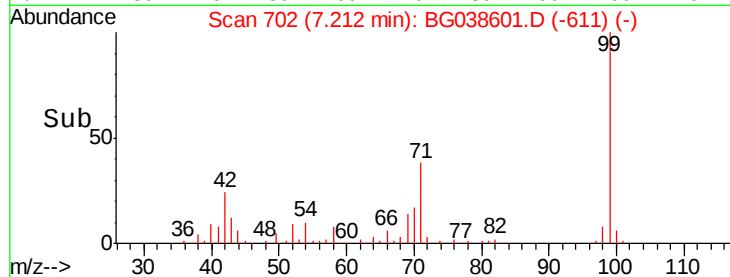
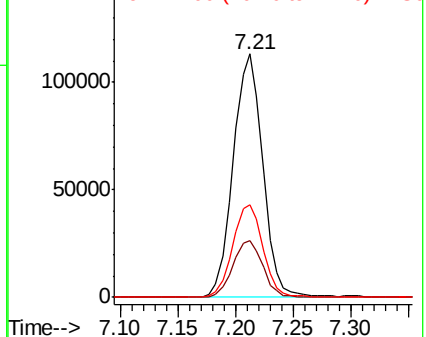
99 100

42 23.5 18.5 27.7

71 37.8 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: 14.481 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038601.D

Acq: 15 Dec 2018 12:53

Tgt Ion: 70 Resp: 17615

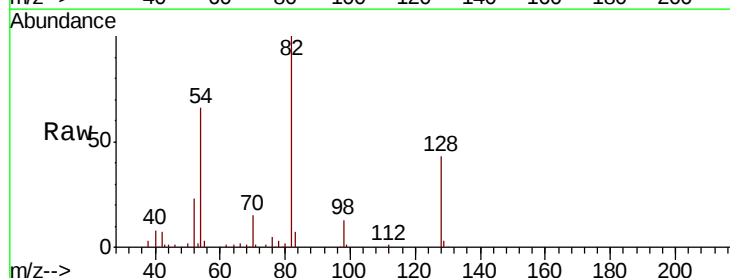
Ion Ratio Lower Upper

70 100

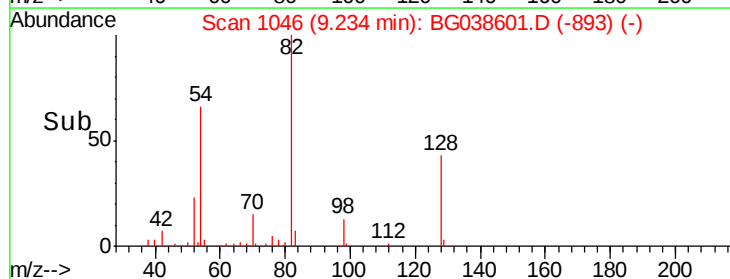
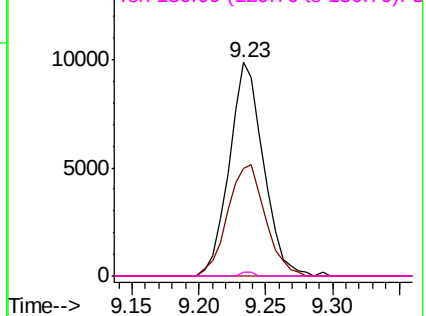
42 50.5 63.6 95.4#

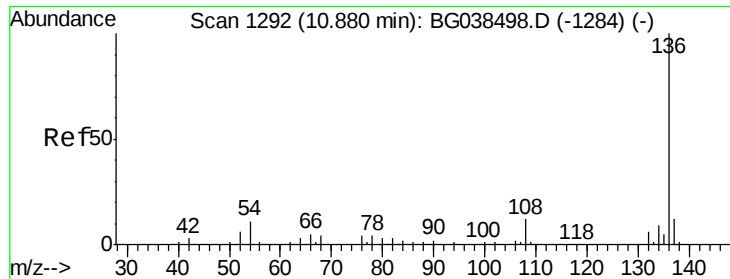
101 0.0 9.2 13.8#

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

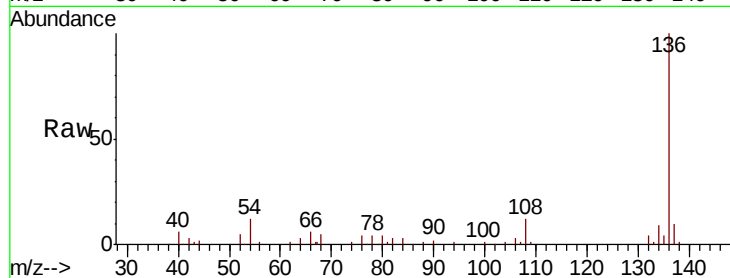




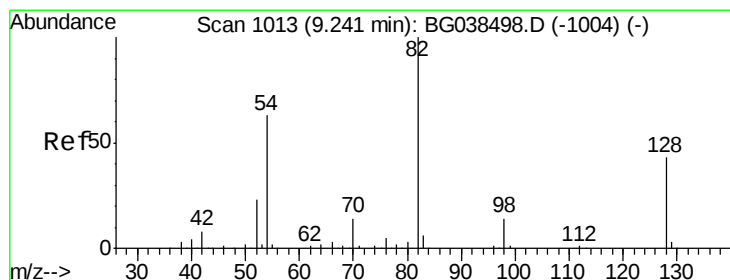
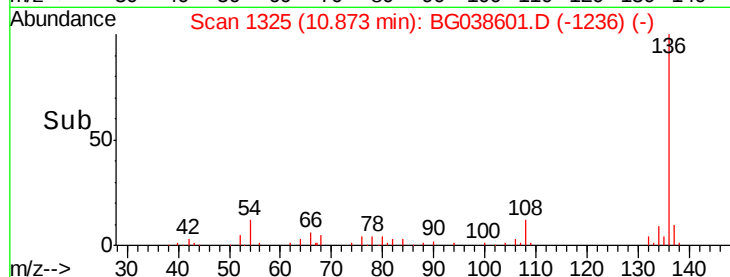
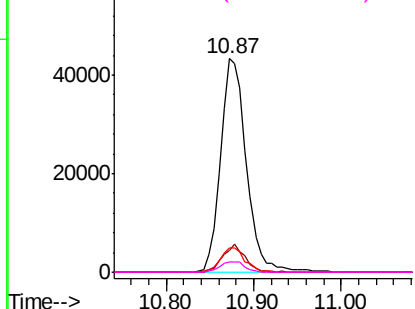
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038601.D
Acq: 15 Dec 2018 12:53

Instrument :
BNA_G
ClientSampleId :
PB115709BL

Tgt Ion: 136 Resp: 88077
Ion Ratio Lower Upper
136 100
137 10.4 9.3 13.9
54 11.6 8.5 12.7
68 4.5 3.5 5.3

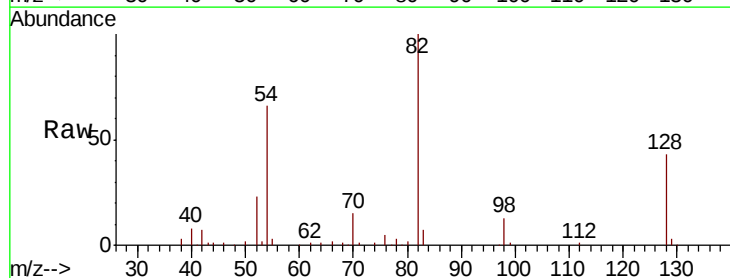


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

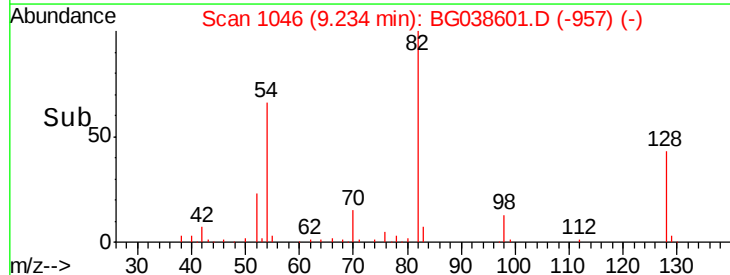
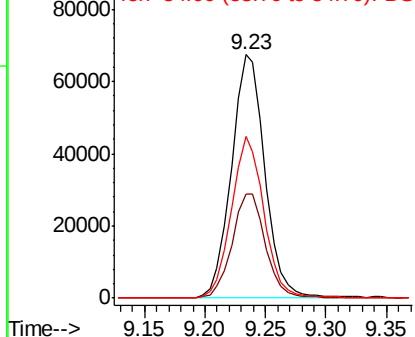


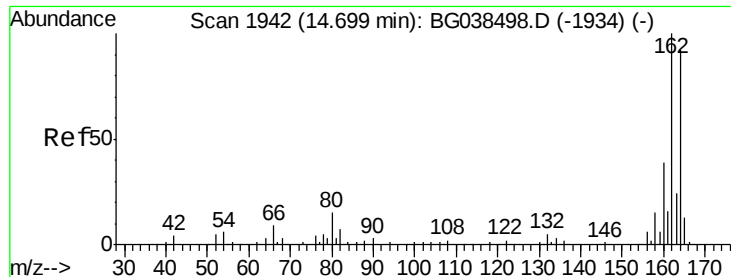
#23
Nitrobenzene-d5
Concen: 75.270 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038601.D
Acq: 15 Dec 2018 12:53

Tgt Ion: 82 Resp: 129769
Ion Ratio Lower Upper
82 100
128 42.7 34.6 52.0
54 66.2 50.6 76.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038601.D

Acq: 15 Dec 2018 12:53

Instrument :

BNA_G

ClientSampleId :

PB115709BL

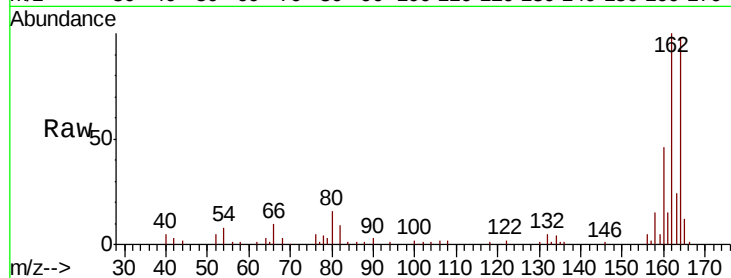
Tgt Ion:164 Resp: 58038

Ion Ratio Lower Upper

164 100

162 102.1 86.6 130.0

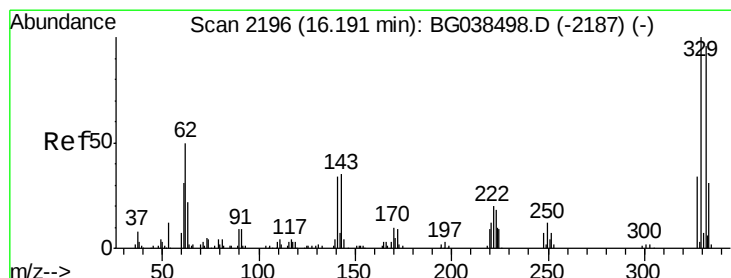
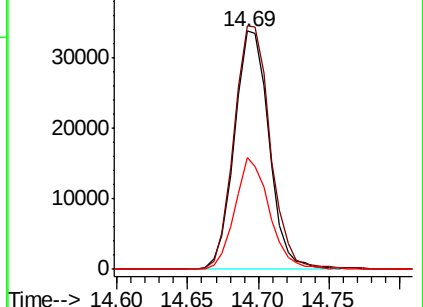
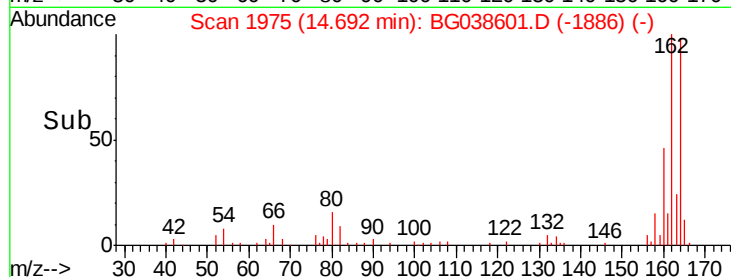
160 46.8 34.2 51.2



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: 109.373 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038601.D

Acq: 15 Dec 2018 12:53

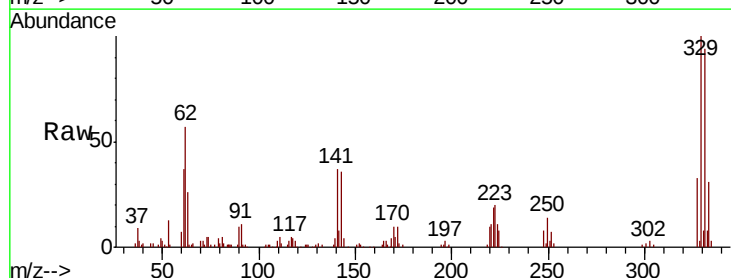
Tgt Ion:330 Resp: 87484

Ion Ratio Lower Upper

330 100

332 97.2 76.9 115.3

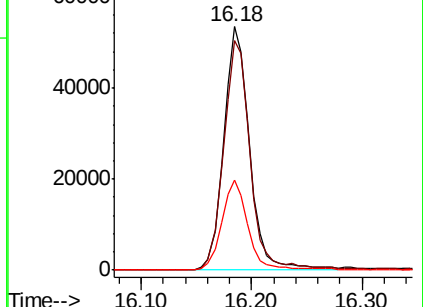
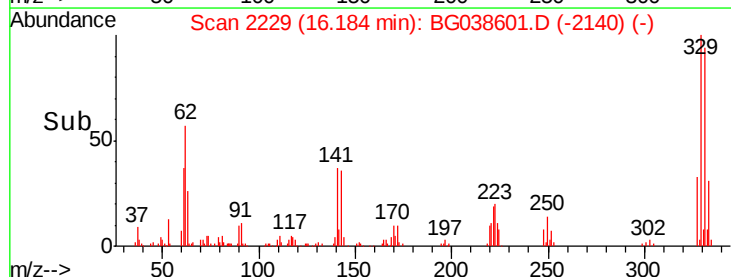
141 37.1 28.8 43.2

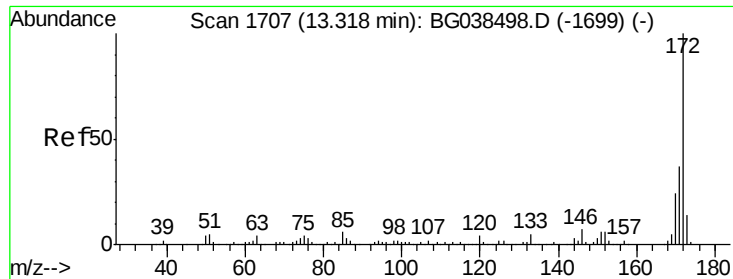


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

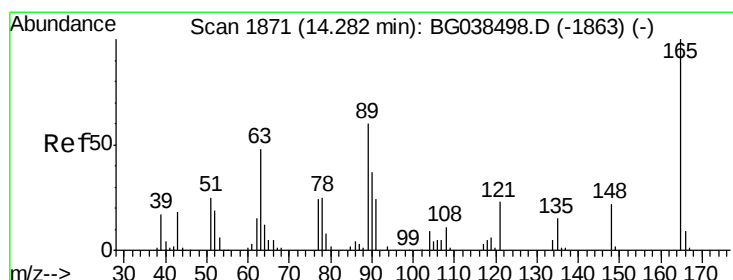
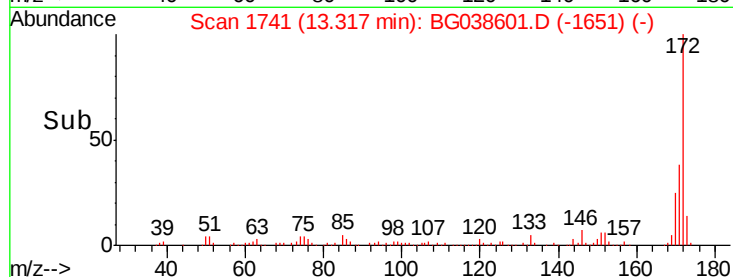
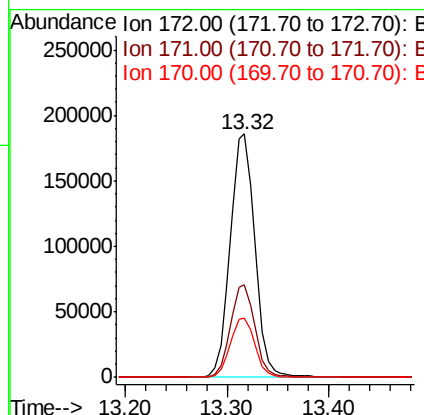
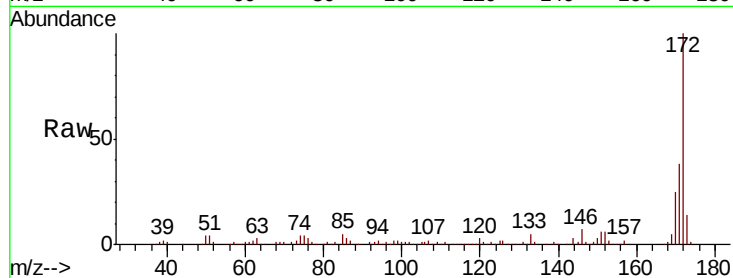




#45
 2-Fluorobiphenyl
 Concen: 74.247 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038601.D
 Acq: 15 Dec 2018 12:53

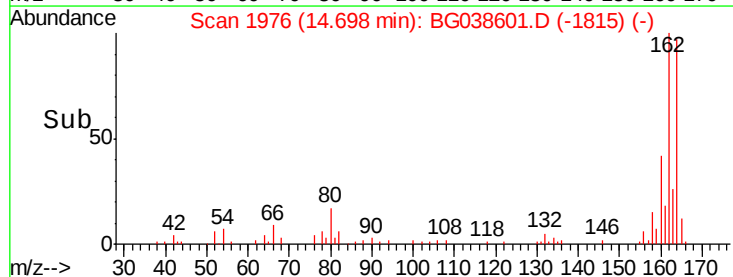
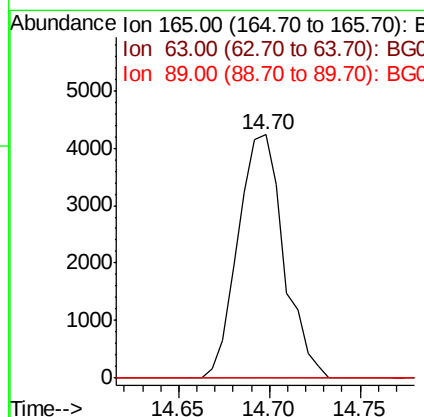
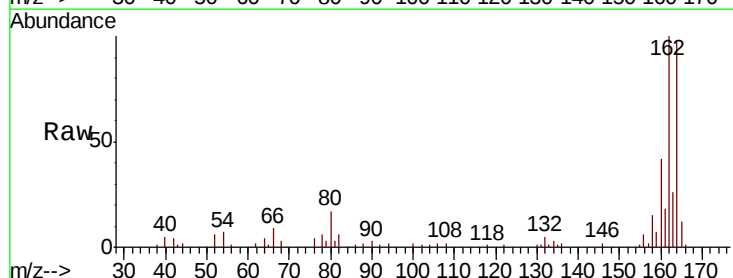
Instrument :
 BNA_G
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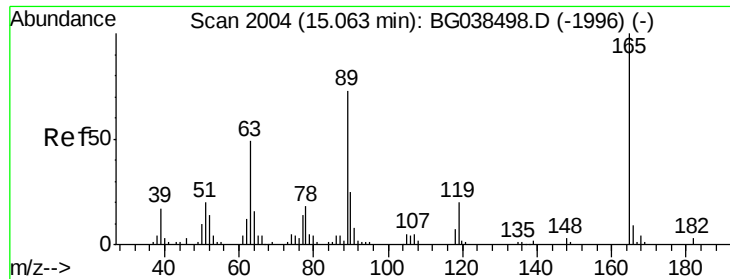
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	29.8	44.6
170	24.6	19.5	29.3



#51
 2,6-Dinitrotoluene
 Concen: 6.918 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.42 min
 Lab File: BG038601.D
 Acq: 15 Dec 2018 12:53

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

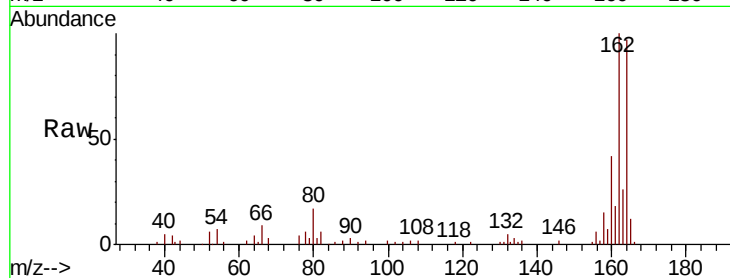




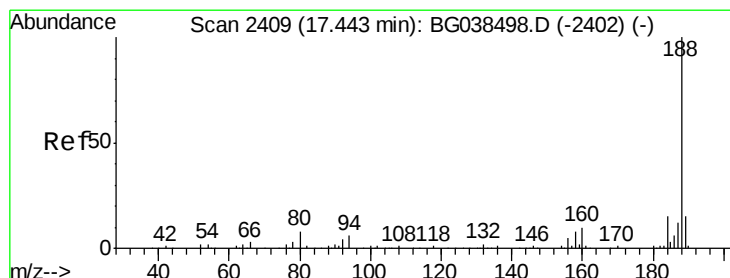
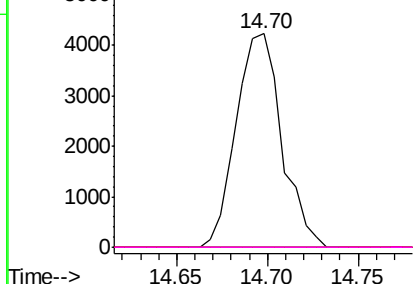
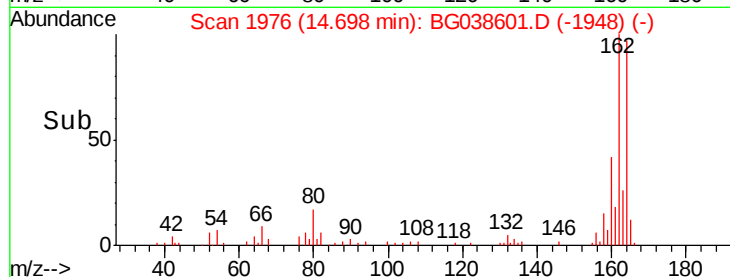
#57
 2,4-Dinitrotoluene
 Concen: 4.911 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.37 min
 Lab File: BG038601.D
 Acq: 15 Dec 2018 12:53

Instrument :
 BNA_G
 ClientSampleId :
 PB115709BL

Tgt 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#

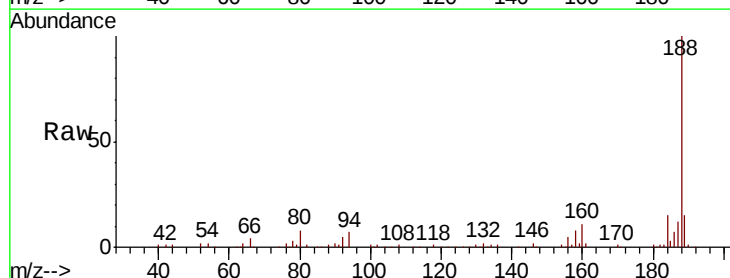


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

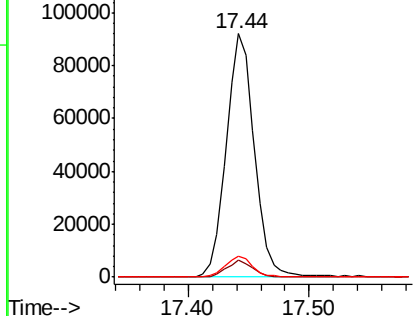
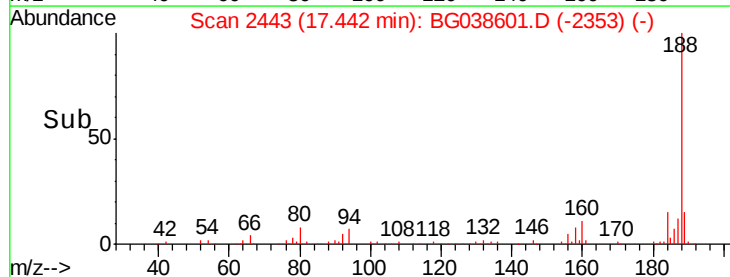


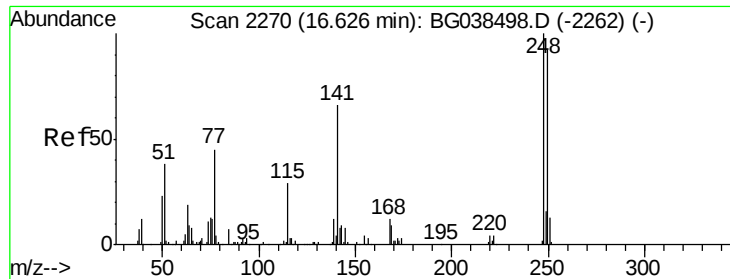
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038601.D
 Acq: 15 Dec 2018 12:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.1	7.7
80	8.4	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

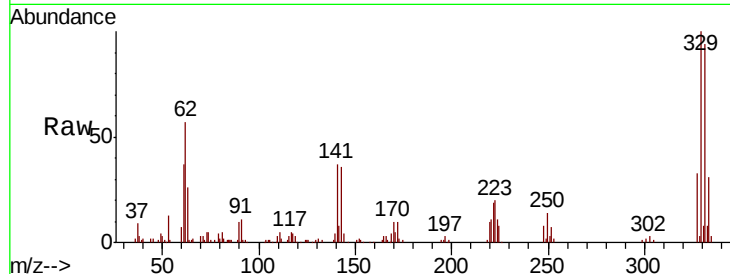




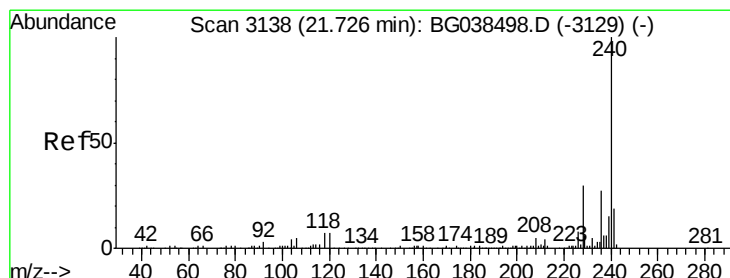
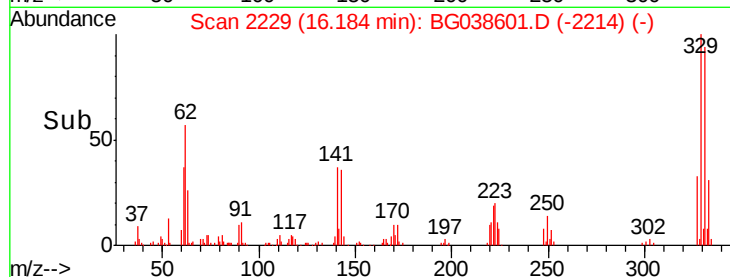
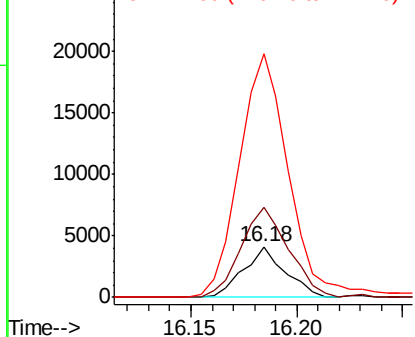
#67
4-Bromophenyl-phenylether
Concen: 3.077 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038601.D
Acq: 15 Dec 2018 12:53

Instrument :
BNA_G
ClientSampleId :
PB115709BL

Tgt Ion:248 Resp: 5605
Ion Ratio Lower Upper
248 100
250 174.4 73.4 110.2#
141 382.2 52.9 79.3#

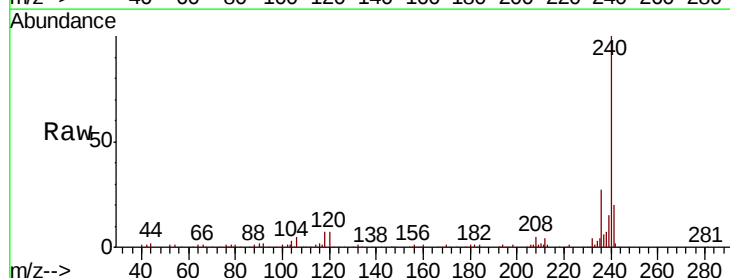


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

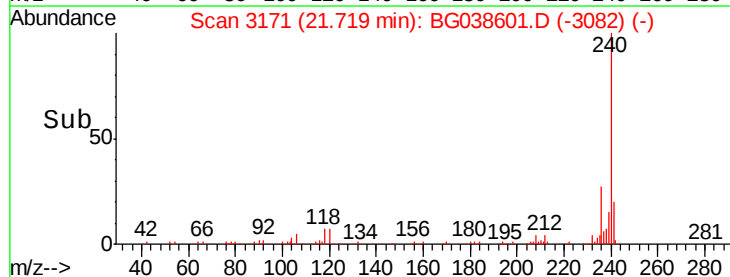
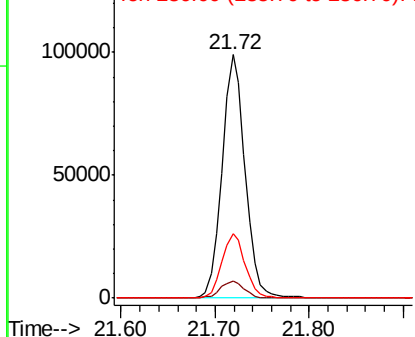


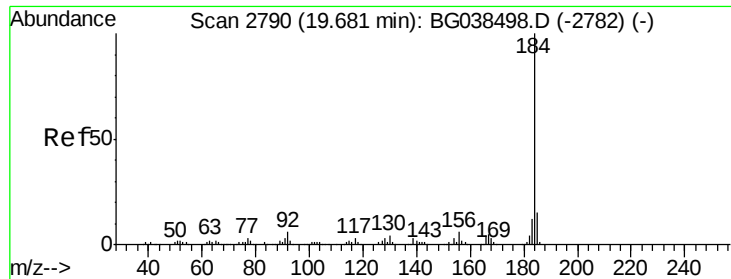
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038601.D
Acq: 15 Dec 2018 12:53

Tgt Ion:240 Resp: 168550
Ion Ratio Lower Upper
240 100
120 6.8 5.3 7.9
236 26.6 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: 2.285 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038601.D

Acq: 15 Dec 2018 12:53

Instrument :

BNA_G

ClientSampleId :

PB115709BL

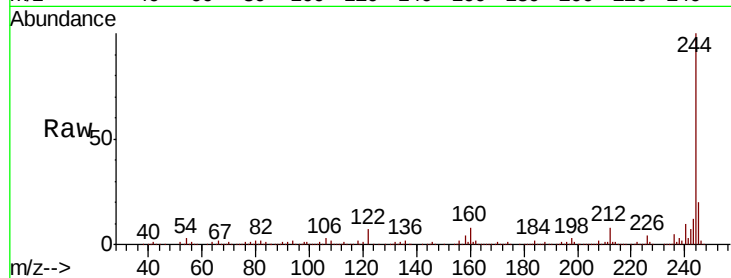
Tgt Ion:184 Resp: 11391

Ion Ratio Lower Upper

184 100

185 16.0 12.2 18.2

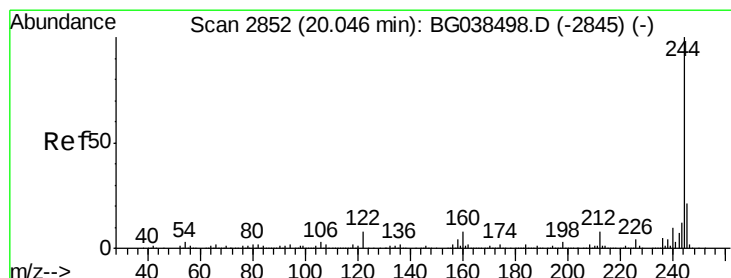
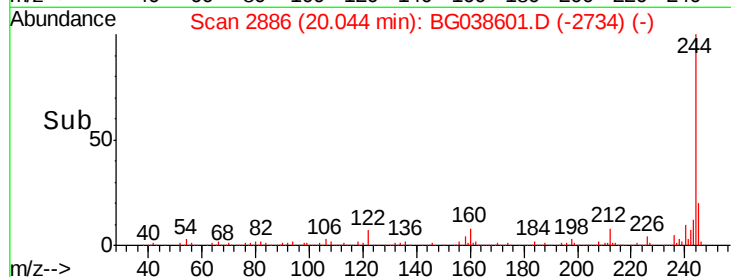
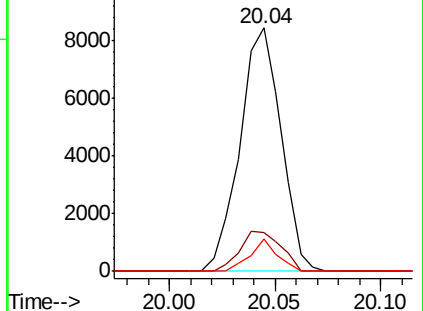
183 13.1 9.6 14.4



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: 84.028 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038601.D

Acq: 15 Dec 2018 12:53

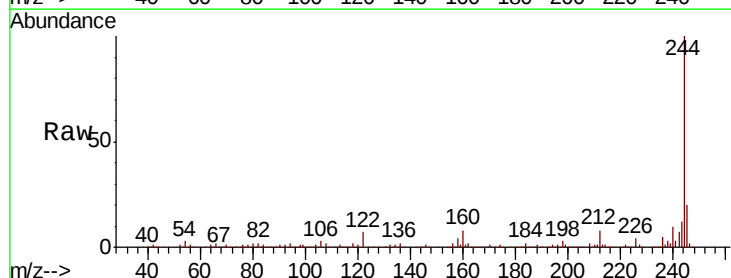
Tgt Ion:244 Resp: 650773

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

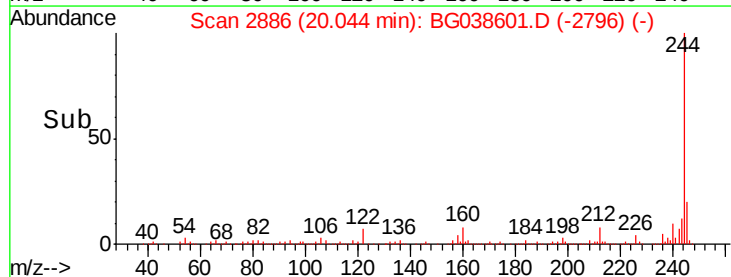
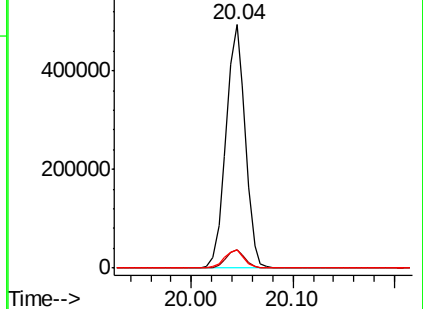
122 7.4 6.3 9.5

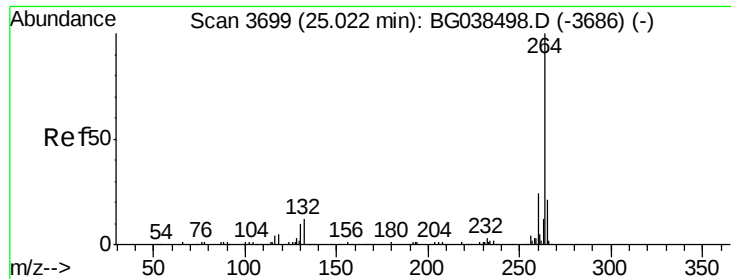


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.02 min Scan# 3732
Delta R.T. -0.01 min
Lab File: BG038601.D
Acq: 15 Dec 2018 12:53

Instrument :
BNA_G
ClientSampleId :
PB115709BL

Tgt Ion: 264 Resp: 176218

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.9	28.3
265	20.6	17.0	25.4

