

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121918\
 Data File : BG038743.D
 Acq On : 20 Dec 2018 1:41
 Operator : JU/SJ
 Sample : J6477-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EB-2018.12.18

Quant Time: Dec 20 03:11:59 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

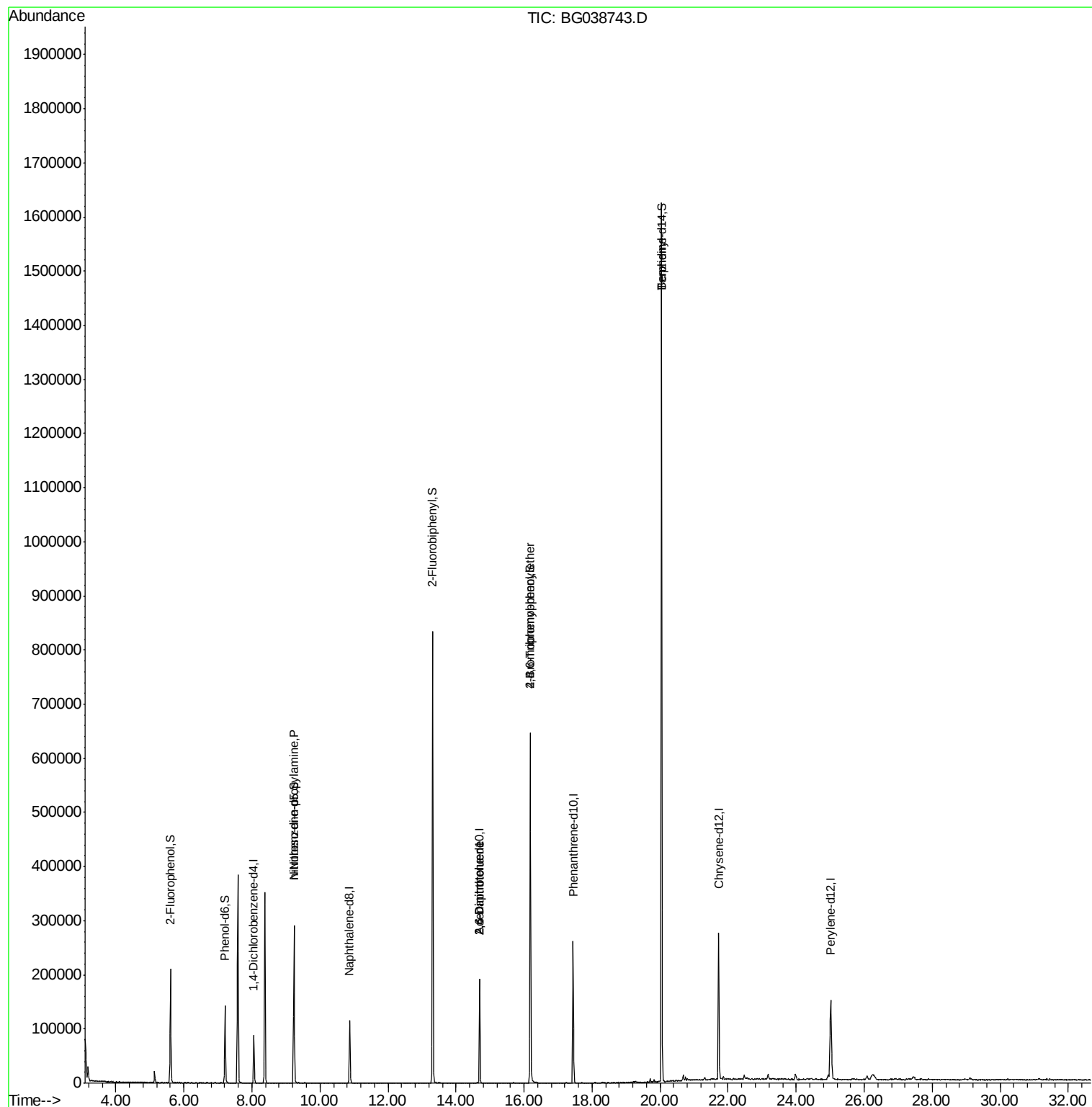
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	25158	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	102201	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	70825	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	177522	20.00	ng	0.00
76) Chrysene-d12	21.72	240	182670	20.00	ng	0.00
87) Perylene-d12	25.02	264	189839	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	94326	66.50	ng	0.00
7) Phenol-d6	7.21	99	82030	42.13	ng	0.00
23) Nitrobenzene-d5	9.23	82	173175	86.56	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	139805	143.23	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	456634	88.45	ng	0.00
79) Terphenyl-d14	20.05	244	832509	99.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	23915	17.487	ng	# 66
51) 2,6-Dinitrotoluene	14.69	165	9342	7.127	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	9342	5.060	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	8905	4.107	ng	# 1
77) Benzidine	20.05	184	14100	2.610	ng	# 93

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

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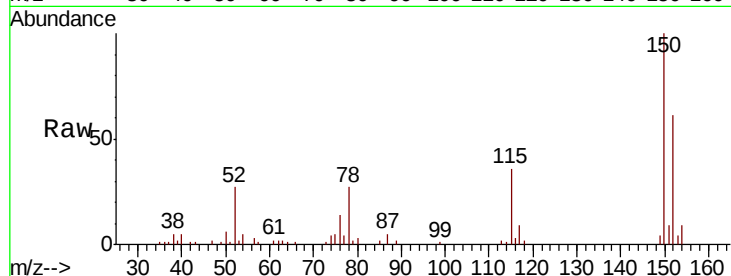




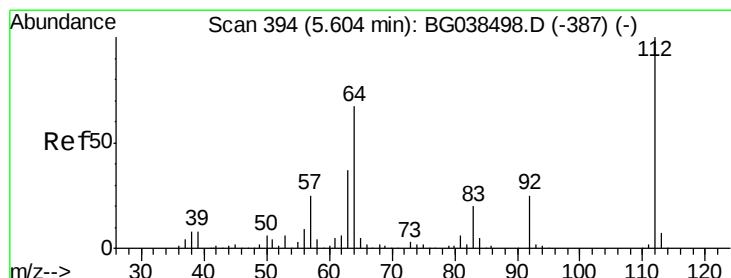
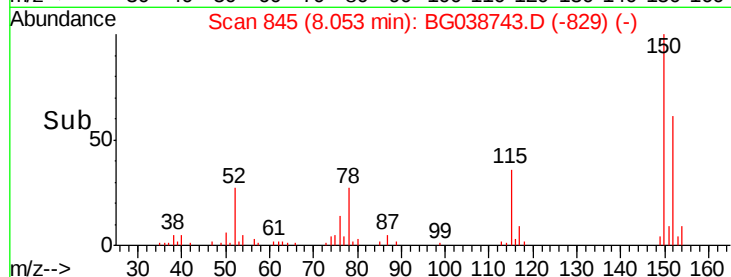
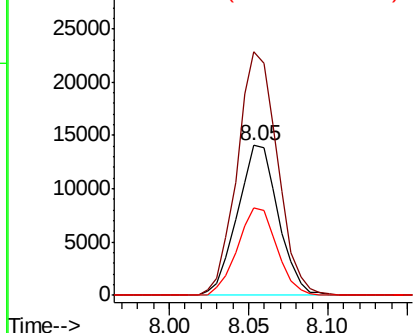
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BG038743.D
 Acq: 20 Dec 2018 1:41

Instrument :
 BNA_G
 ClientSampleId :
 EB-2018.12.18

Tgt Ion:152 Resp: 25158
 Ion Ratio Lower Upper
 152 100
 150 162.6 119.5 179.3
 115 58.8 49.6 74.4

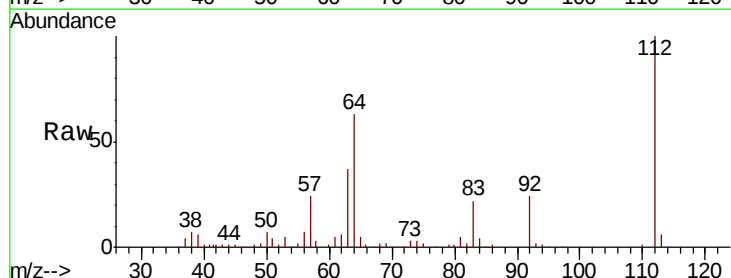


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

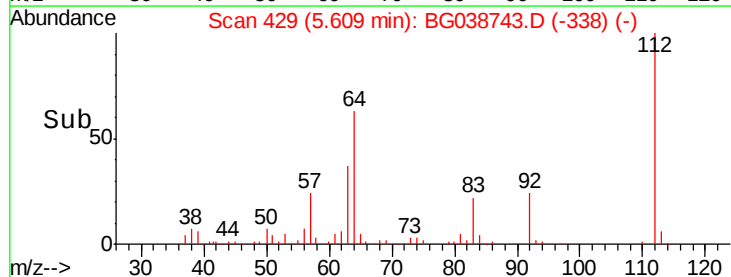
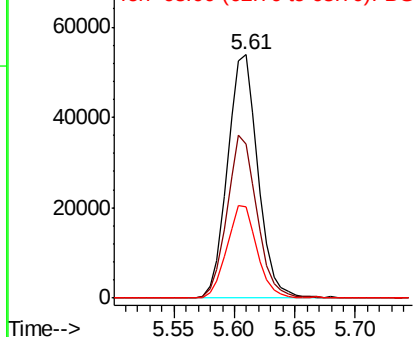


#5
 2-Fluorophenol
 Concen: 66.500 ng
 RT: 5.61 min Scan# 429
 Delta R.T. 0.01 min
 Lab File: BG038743.D
 Acq: 20 Dec 2018 1:41

Tgt Ion:112 Resp: 94326
 Ion Ratio Lower Upper
 112 100
 64 63.5 53.4 80.2
 63 37.3 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: 42.127 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038743.D

Acq: 20 Dec 2018 1:41

Instrument :

BNA_G

ClientSampleId :

EB-2018.12.18

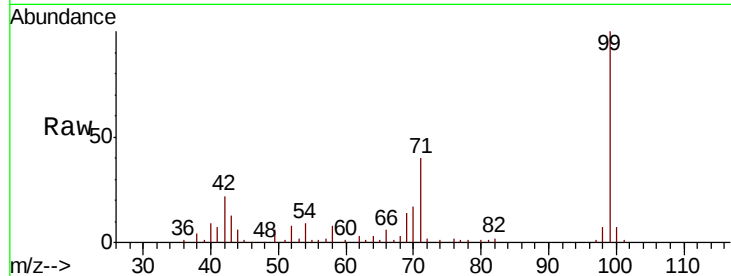
Tgt Ion: 99 Resp: 82030

Ion Ratio Lower Upper

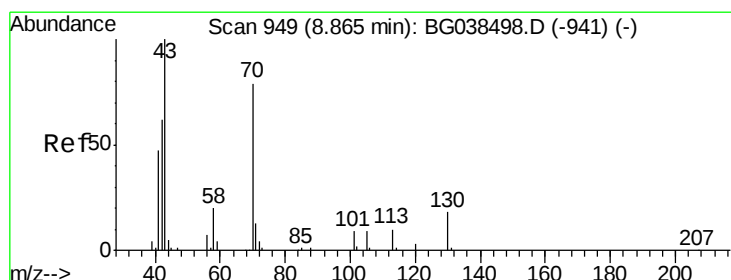
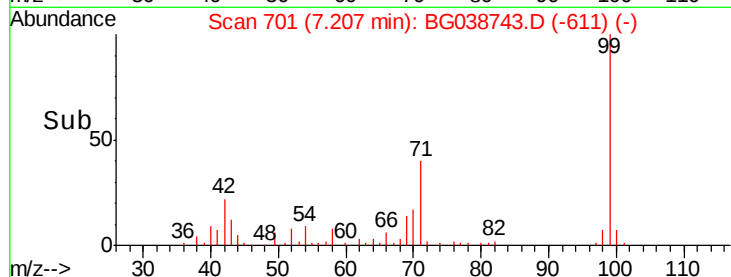
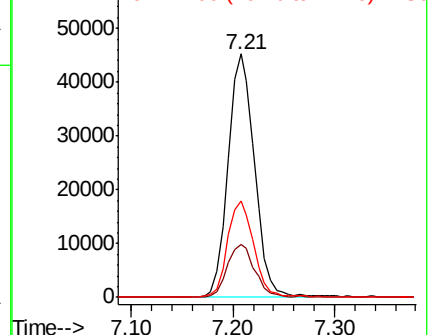
99 100

42 21.9 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: 17.487 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.36 min

Lab File: BG038743.D

Acq: 20 Dec 2018 1:41

Tgt Ion: 70 Resp: 23915

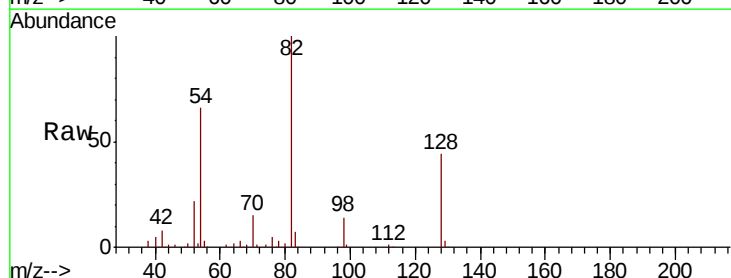
Ion Ratio Lower Upper

70 100

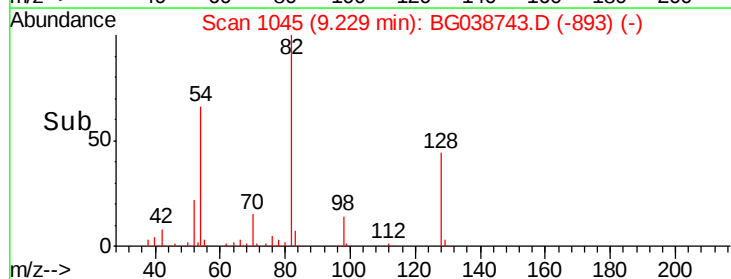
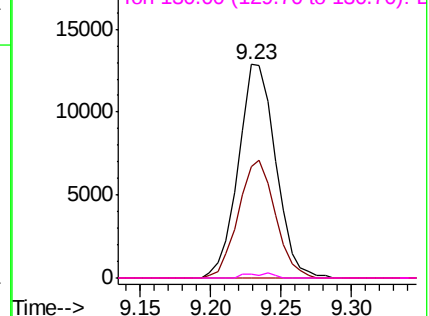
42 52.2 63.6 95.4#

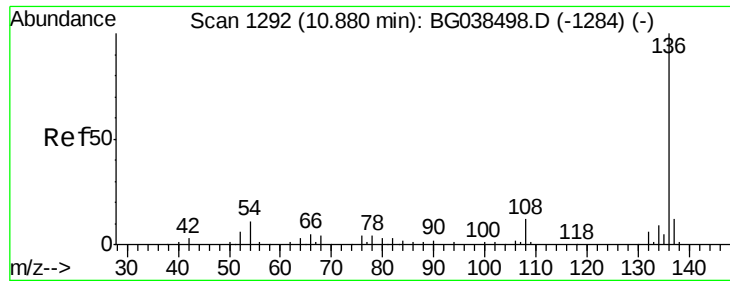
101 0.0 9.2 13.8#

130 1.7 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

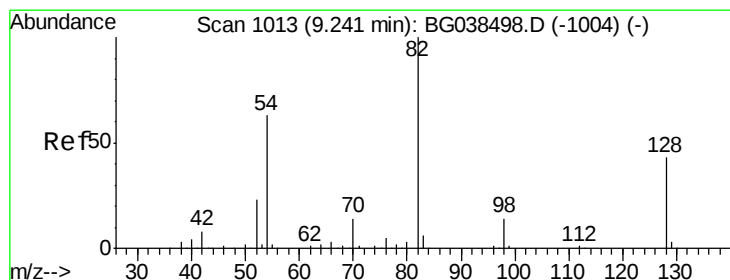
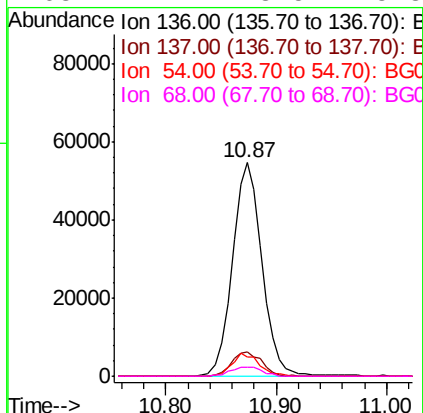
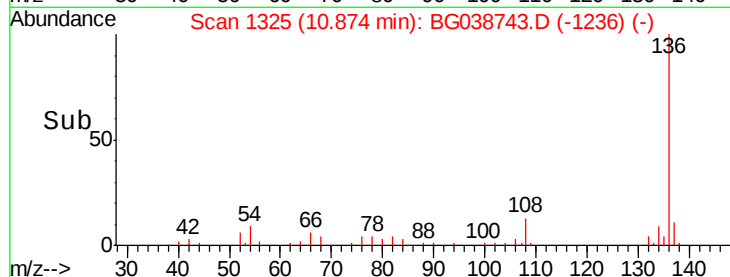
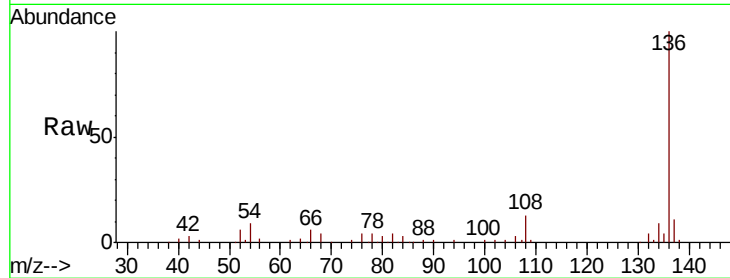




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038743.D
Acq: 20 Dec 2018 1:41

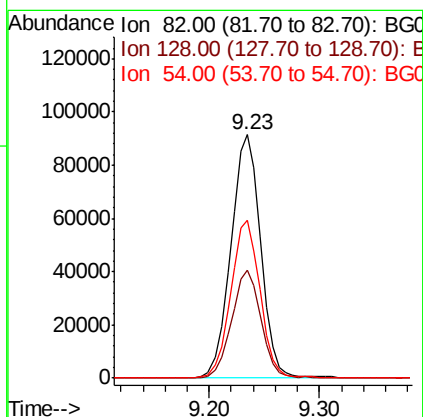
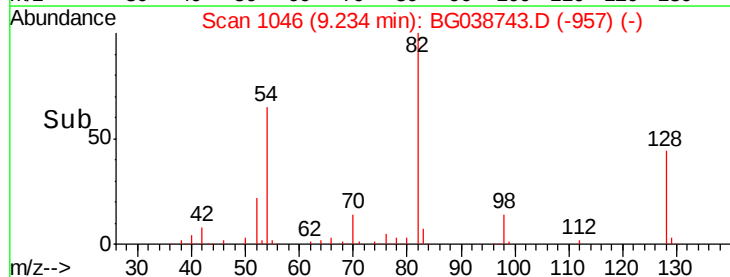
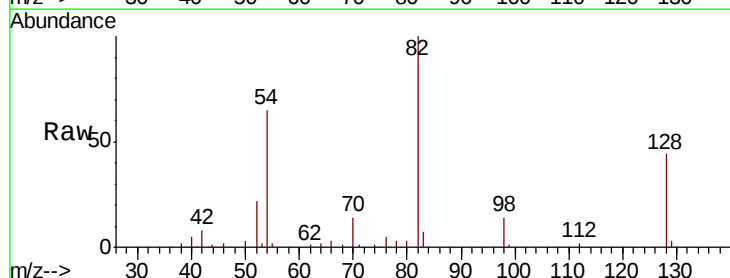
Instrument :
BNA_G
ClientSampleId :
EB-2018.12.18

Tgt Ion:	136	Resp:	102201
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	9.0	8.5	12.7
68	4.4	3.5	5.3



#23
Nitrobenzene-d5
Concen: 86.565 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038743.D
Acq: 20 Dec 2018 1:41

Tgt Ion:	82	Resp:	173175
Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.6	52.0
54	64.7	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: BG038743.D

Acq: 20 Dec 2018 1:41

Instrument :

BNA_G

ClientSampleId :

EB-2018.12.18

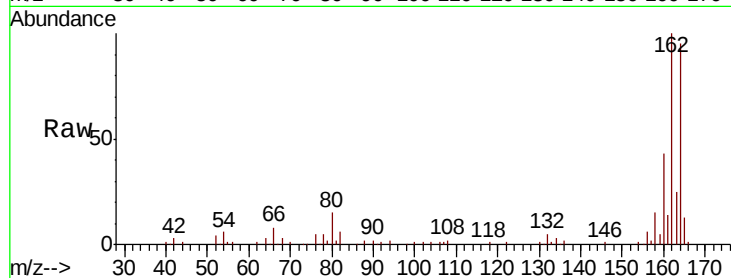
Tgt Ion:164 Resp: 70825

Ion Ratio Lower Upper

164 100

162 104.7 86.6 130.0

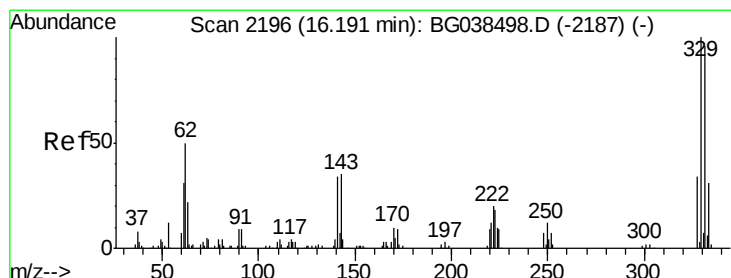
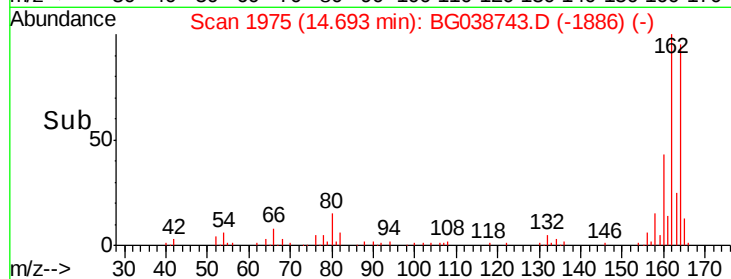
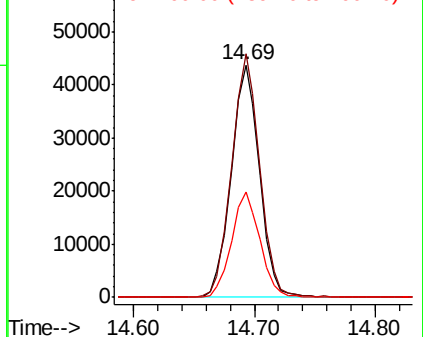
160 45.2 34.2 51.2



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: 143.229 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038743.D

Acq: 20 Dec 2018 1:41

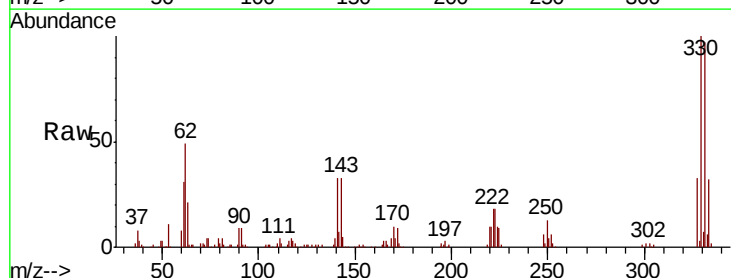
Tgt Ion:330 Resp: 139805

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

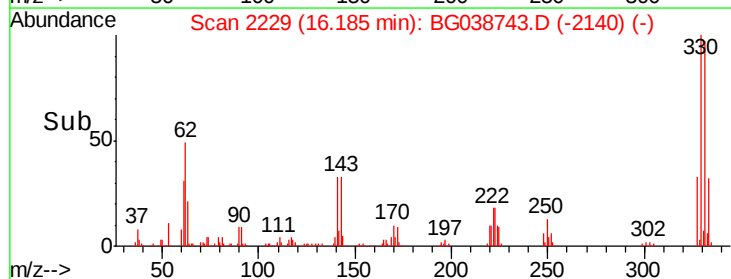
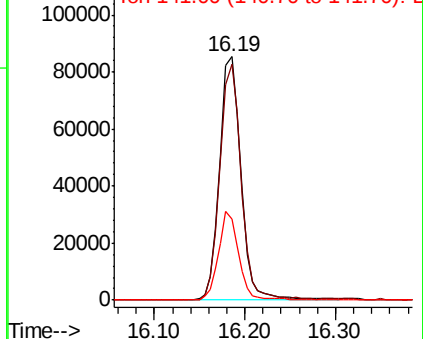
141 34.0 28.8 43.2



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

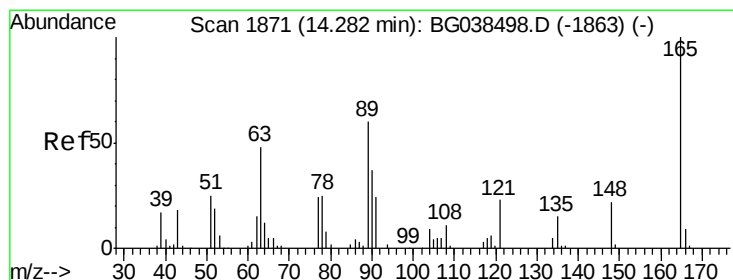
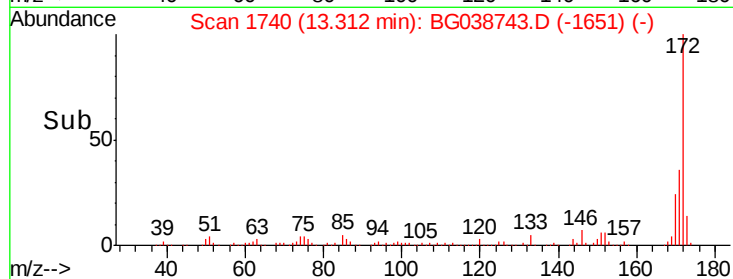
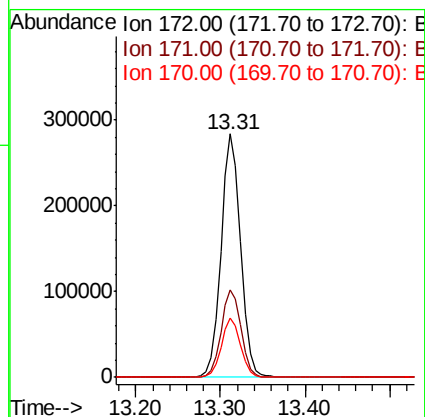
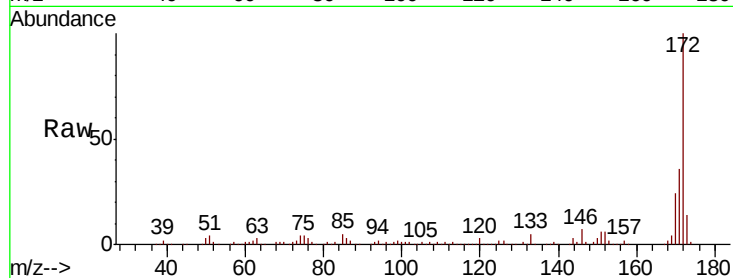




#45
 2-Fluorobiphenyl
 Concen: 88.448 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038743.D
 Acq: 20 Dec 2018 1:41

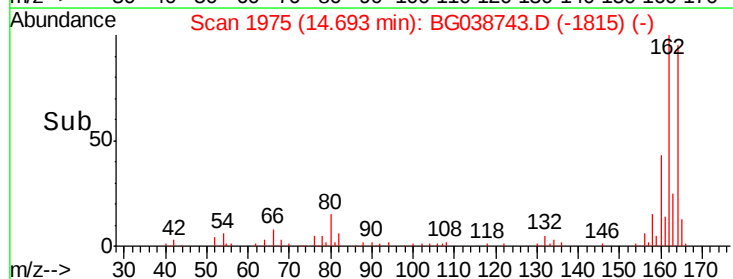
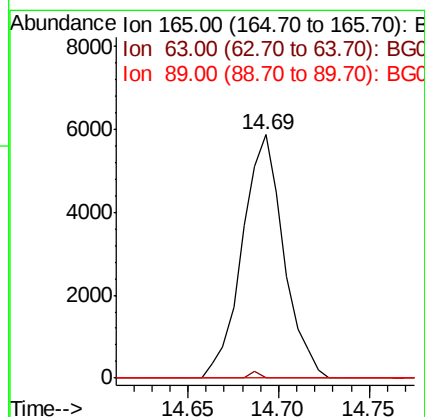
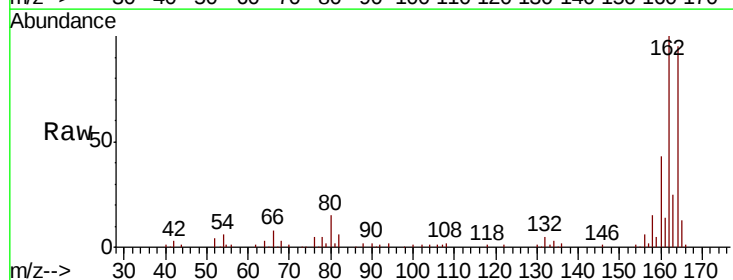
Instrument :
 BNA_G
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 EB-2018.12.18

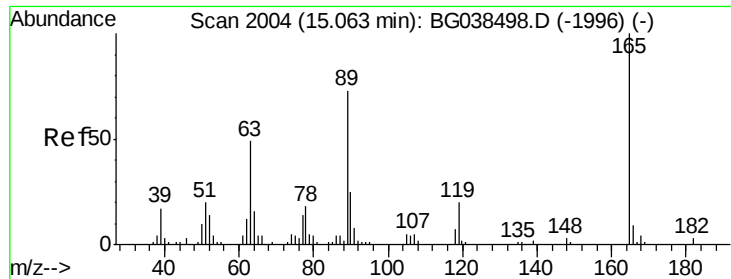
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.8	44.6
170	24.4	19.5	29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.127 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038743.D
 Acq: 20 Dec 2018 1:41

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

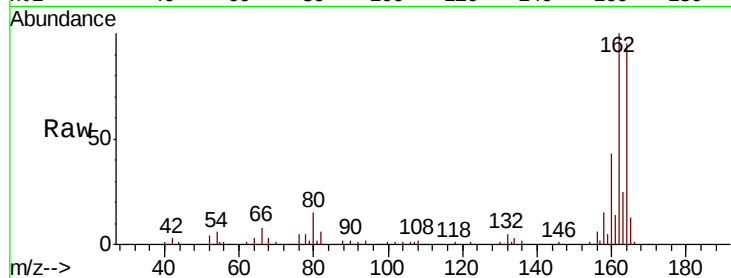




#57
2,4-Dinitrotoluene
Concen: 5.060 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.37 min
Lab File: BG038743.D
Acq: 20 Dec 2018 1:41

Instrument :
BNA_G
ClientSampleId :
EB-2018.12.18

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#

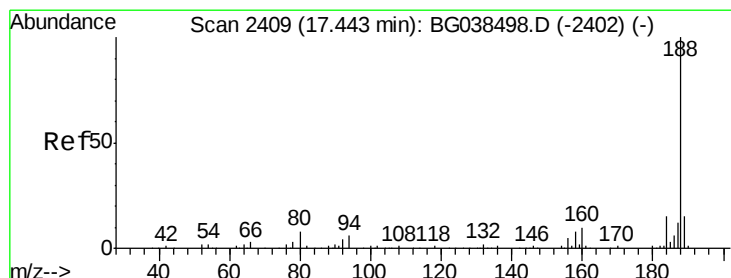
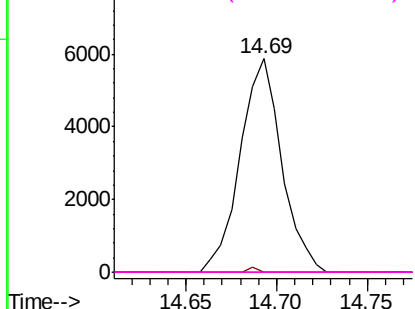
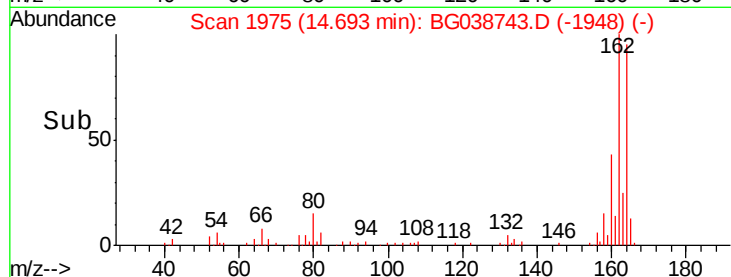


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

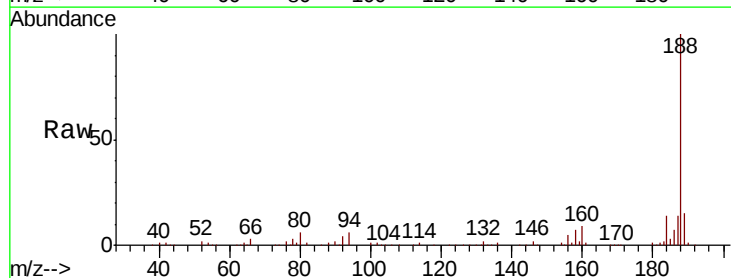
Ion 89.00 (88.70 to 89.70): BGC

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: BG038743.D
Acq: 20 Dec 2018 1:41

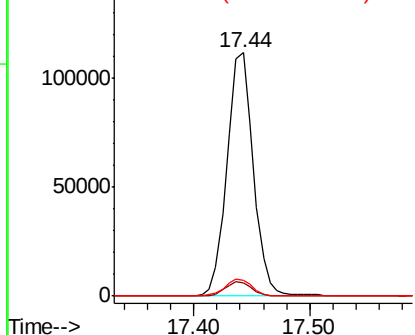
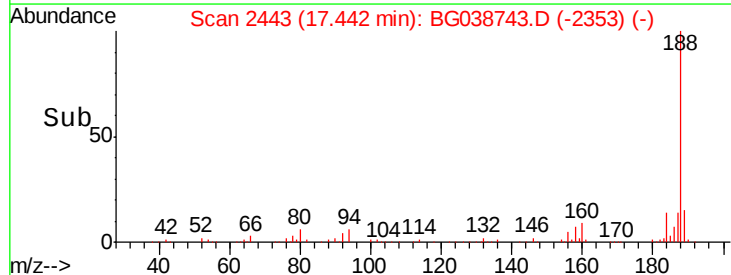
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	5.1	7.7
80	6.3	6.1	9.1



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

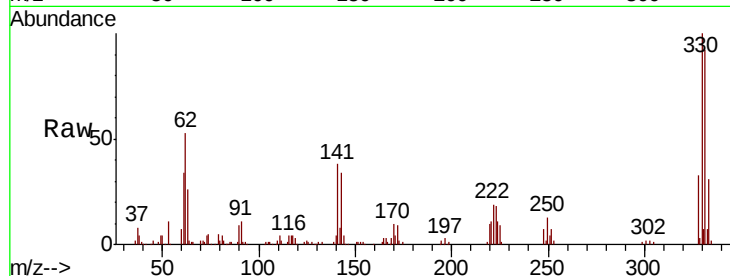




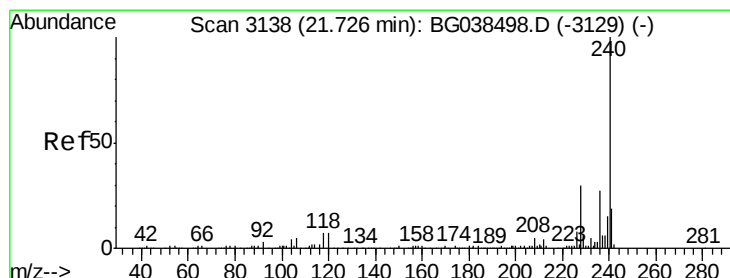
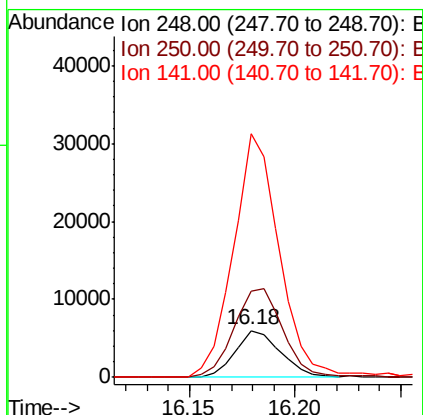
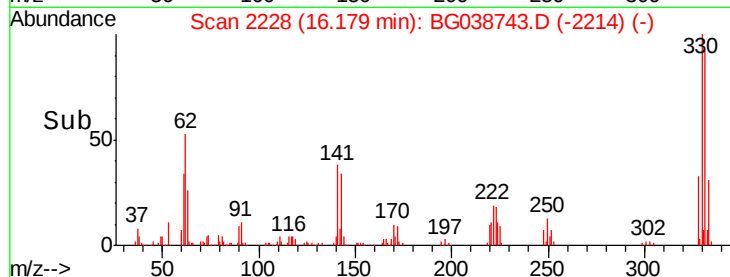
#67
4-Bromophenyl-phenylether
Concen: 4.107 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.45 min
Lab File: BG038743.D
Acq: 20 Dec 2018 1:41

Instrument :
BNA_G
ClientSampleId :
EB-2018.12.18

Tgt Ion:248 Resp: 8905
Ion Ratio Lower Upper
248 100
250 183.5 73.4 110.2#
141 397.4 52.9 79.3#

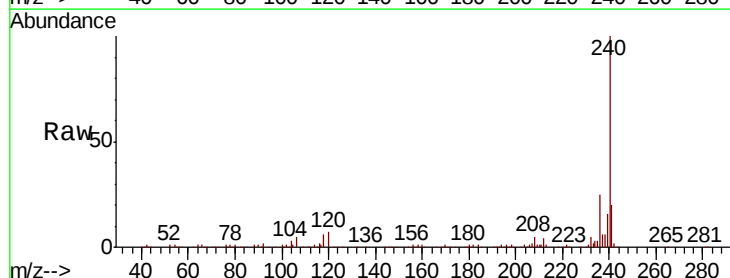


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

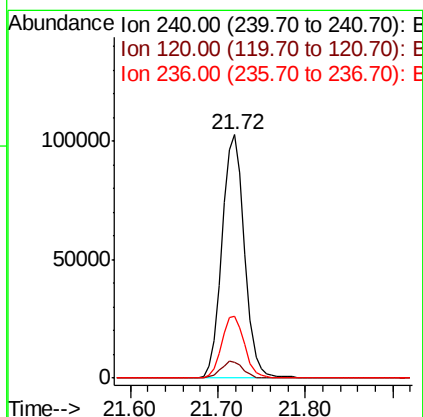
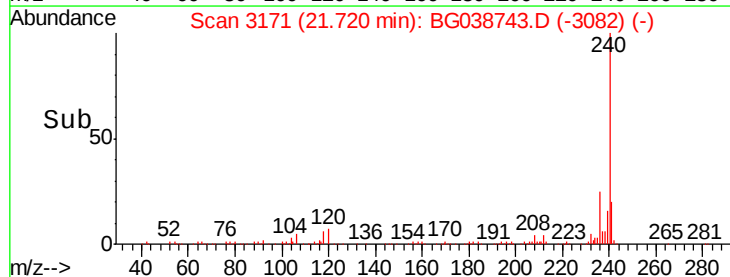


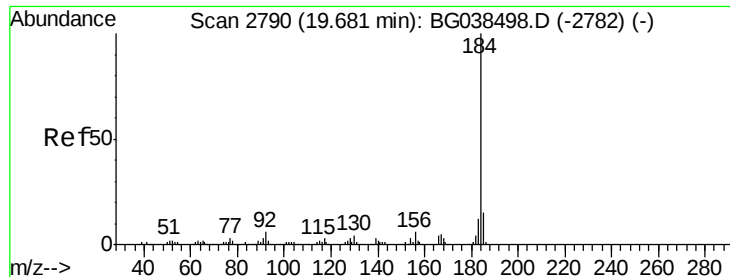
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038743.D
Acq: 20 Dec 2018 1:41

Tgt Ion:240 Resp: 182670
Ion Ratio Lower Upper
240 100
120 6.6 5.3 7.9
236 25.4 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: 2.610 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038743.D

Acq: 20 Dec 2018 1:41

Instrument :

BNA_G

ClientSampleId :

EB-2018.12.18

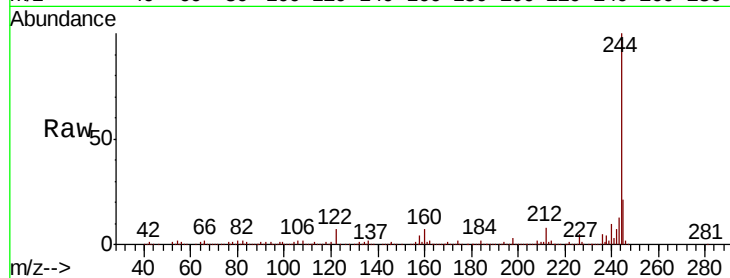
Tgt Ion:184 Resp: 14100

Ion Ratio Lower Upper

184 100

185 17.6 12.2 18.2

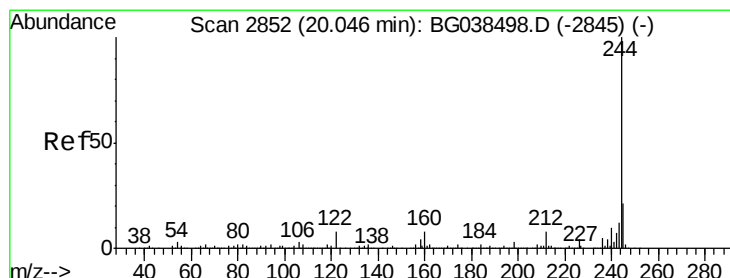
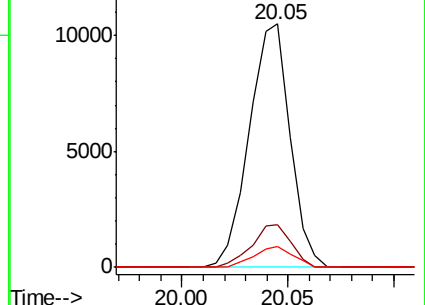
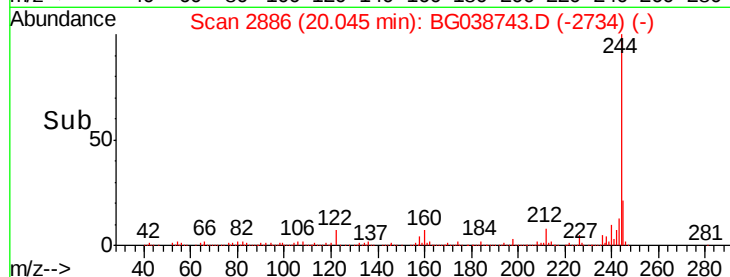
183 8.4 9.6 14.4#



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: 99.185 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038743.D

Acq: 20 Dec 2018 1:41

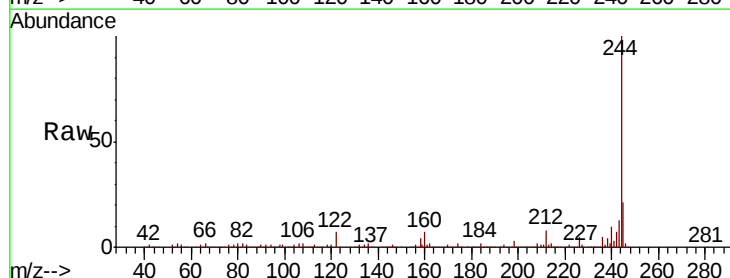
Tgt Ion:244 Resp: 832509

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

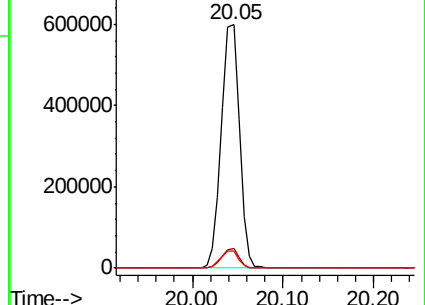
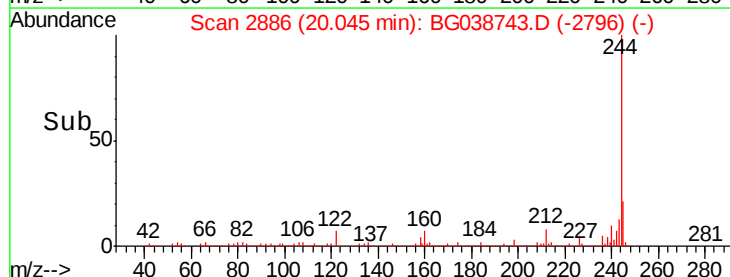
122 6.9 6.3 9.5

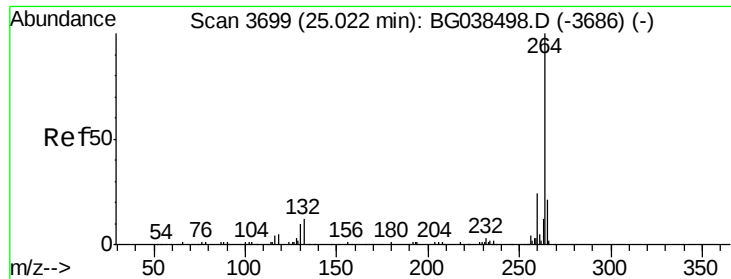


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.02 min Scan# 3732
Delta R.T. -0.01 min
Lab File: BG038743.D
Acq: 20 Dec 2018 1:41

Instrument :
BNA_G
ClientSampleId :
EB-2018.12.18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.2	18.9	28.3
265	20.3	17.0	25.4

